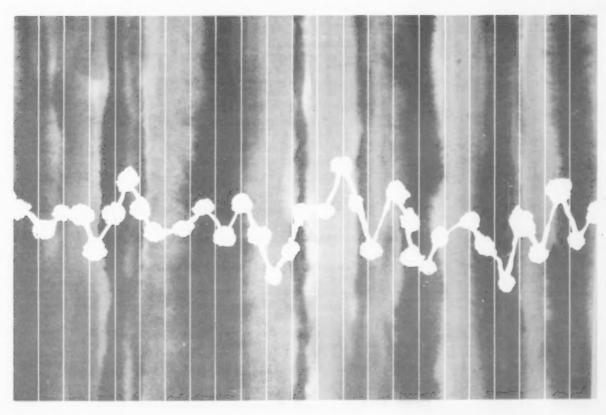
defense indicators

OCTOBER 1977





U.S. DEPARTMENT OF COMMERCE . BUREAU OF ECONOMIC ANALYSIS



This report is prepared in the Statistical Indicators Division, Bureau of Economic Analysis. Technical staff and their responsibilities for the publication are—

Barry A. Beckman—Technical supervision and review.

Morton Somer—Selection of seasonal adjustment methods,

Betty F. Tunstall—Collection and compilation of basic data.

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The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through September 1, 1980.

U.S. DEPARTMENT OF COMMERCE Juanita M. Kreps, Secretary

Courtenay M. Slater, Chief Economist for the Department of Commerce

BUREAU OF ECONOMIC ANALYSIS

George Jaszi, Director Allan H. Young, Deputy Director John E. Cremeans, Associate Director for National Analysis and Projections Feliks Tamm, Editor

This publication is prepared under the general guidance of an interagency committee under the auspices of the Office of Federal Statistical Policy and Standards.

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defense indicators

October 1977 Series ES4 No. 77-10

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Alphabetical Index-Series Finding Guide . .

6 BEA PROJECTS

for economic analysis

BUSINESS CONDITIONS DIGEST A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together many of the economic time series found most useful by business analysts and forecasters. The dominant feature is the cyclical indicators section in which approximately 110 business cycle indicators are each assigned a three-way timing classification according to their cyclical behavior at peaks, at troughs, and at all turns. This section also contains other valuable aids for the analysis of business conditions and prospects, such as composite indexes of leading, coincident, and lagging indicators and various diffusion indexes. A second section contains other important economic measures such as prices, wages, productivity, government activities, U.S. international transactions, and international comparisons.

Data are presented in charts and tables. Appendixes provide historical data, series descriptions, seasonal adjustment factors, and measures of variability. A computer tape containing data for most of the series is available for purchase.

DEFENSE INDICATORS A monthly report for analyzing the current and prospective impact of defense activity on the national economy.

This report brings together the principal time series on defense activities which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. The approximately 60 time series included are grouped in accordance with the time at which the activities they measure occur in the defense order-production-delivery process. Charts and analytical tables facilitate interpretation.

LONG TERM ECONOMIC GROWTH A report for the study of economic trends over a long span of years, 1860-1970.

This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It is a basic research document for economists, historians, investors, teachers, and students. It brings together under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. A computer tape file of the time series included in the report is available for purchase.

COMPUTER PROGRAMS FOR TIME SERIES ANALYSIS The source statements for FORTRAN IV programs used by BEA in its analysis of time series are available on a single computer tape.

SEASONAL ADJUSTMENT PROGRAMS.—Two variants of the Census computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations. They are particularly useful in analyzing economic fluctuations which take place within a year. The X-11 variant is used for adjusting monthly data and the X-11Q for quarterly data. These programs make additive as well as multiplicative adjustments and compute many summary and analytical measures.

DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

SURVEY OF CURRENT BUSINESS A monthly report for analyzing current economic developments.

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

BUSINESS STATISTICS A biennial reference volume containing statistical series reported currently in the *Survey of Current Business*.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

Gross National Product and National Defense Purchases

Gross national product (BEA)

Federal Government purchases of goods and services, national defense (BEA)

National defense purchases as a percent of gross national product (BEA)

Gross national product, changes from previous quarter (BEA) National defense purchases, changes from previous quarter (BEA)

Advance Indicators of Defense Activity

Defense Department gross obligations incurred, total (DOD)
Defense Department gross obligations incurred, procurement

Gross obligations incurred outside the Government for national defense (Treasury)

Defense Department military prime contract awards for work performed in the United States (DOD)

Defense Department gross unpaid obligations outstanding (DOD)

Manufacturers' new orders (Census):

Defense products industries

Defense products

Manufacturers' new orders from the U.S. Government, aerospace industries (Census):

Average weekly overtime hours, production workers, defense products industries (BLS)

Accession rate, defense products industries (BLS)
Layoff rate, defense products industries (BLS)

Intermediate and Final Indicators of Defense Activity

Output of defense and space equipment (FRB)

Manufacturers' inventories (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders from the U.S. Government,

aerospace industries (Census)

Defense Department progress payments outstanding (DOD) Employment in defense products industries, total (BLS) Employment in defense products industries, production workers (BLS)

Index of aggregate weekly hours, defense products industries (BLS)

Index of aggregate weekly payrolls, production workers, defense products industries (BLS)

Defense Department personnel, military, active duty (DOD)
Defense Department personnel, civilian, direct hire employment (DOD)

Defense Department net outlays, total, military functions and military assistance (DOD)

Defense Department net outlays, procurement (DOD)

Budget outlays for the national defense function (Treasury)
Defense Department personnel compensation (DOD)

Manufacturers' shipments (Census):

Defense products industries

Defense products

Manufacturers' shipments to the U.S. Government, aerospace industries (Census)

Ratio, manufacturers' unfilled orders to shipments (Census): Defense products industries

Defense products

Ratio, manufacturers' inventories to shipments (Census): Defense products industries Defense products

Defense-Related Balance of Payments Components

Transfers under U.S. military agency sales contracts—exports (BEA)

Direct defense expenditures-imports (BEA)

U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunitions), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

Description of Basic Data

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly *Status of Funds* report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The *Status of Funds* report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's Contract Awards report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The Contract Awards report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the Status of Funds report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts	372 1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments¹ classified into the following industry categories in accordance with the Standard Industrial Classification Manual, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories	19
Communication equipment	366
Aircraft and parts	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey*

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).²

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include non-defense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

¹An establishment is a single physical location where business is conducted (e.g., a plant). A company often includes more than one establishment.

²See the Bureau of the Census publication Shipments of Defense-Oriented Industries, Current Industrial Reports, Series MA-175, for annual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

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in

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

Guide to Charts and Tables

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., date not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

New Features and Changes for This Issue

1. Current seasonal adjustment factors, which are based on historical data patterns, are inaccurate for some defense series because of the change in the Government's fiscal year, and suitable seasonal factors cannot be established at this time. For this reason, seasonally adjusted data are not shown for Defense Department gross obligations incurred (series 617, 619, and 621) and Defense Department military prime contract awards, total (series 625) for the period since May 1977, nor are they shown for the components of military prime contract awards (series 626, 627, 629-637, and 640) for the period since the first quarter 1977. For these series, unadjusted data are shown in the data tables and seasonal adjustment factors on the old basis are shown in appendix A.

2. Appendix C contains historical data for series 200, 264, 546, 547, 613, 650, 653, 654, 655, 657, 664, 666, 670, 671, 673, 675, 689, and 696.

The November issue of DEFENSE INDICATORS is scheduled for release on November 30.

Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

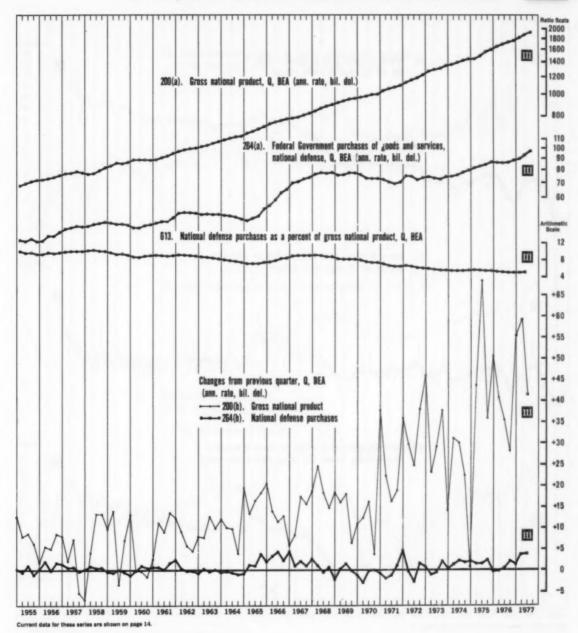
					Besic	data					Percent	t change		3
Series tinis	Unit of measure	Ave	rage	1st C	24 0	34 0	July	Aun	Sept.	July '77	Aug. '77	1st Q '77	26 0 77	I nem
		1975	1976	1977	1977	1977	1977	Aug. 1977	Sept. 1977	Aug. '77	Sept. '77	2d Q 77	3e 0 '77	3
GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES														
200. Gross netional product (BEA)	Ann. retz. bil. del	1528.8	1706.5	1810.8	1869.9	1911.3			***			3.3	2.2	200
284. Federal Government purchases of goods and services, national defense (BEA)	do	83.9		89.7	93.4	97.3						4.1	4.2	264
services, national defense (BEA) 813. National defense purchases as a percent of GMP (BEA)!	Percent	5.5	5.1	5.0	5.0	5.1					***	0.0	0.1	613
ADVANCE INDICATORS OF DEFENSE ACTIVITY														
Defense Dept. gross obligations incurred (DOD): 817. Total	Ann. ruta,													
621, Procurement	bil. dol	98.5	109.9	117.1	NA NA	NA NA	NA BA	NA NA	NA NA	HA HA	RA NA	HA HA	HA	617
823. Gross obligations incurred outside the Federal Government for national defense (Treasury)	do	104.1	117.9	126.3	NA	NA	NA	NA	NA	HA	HA	NA.	NA	623
825. Defense Department military prime contract awards for work performed in the U.S. (DOD)	60	43.3	50.1	51.2	NA	NA	NA	NA	NA	HA.	IIA.	HA.	IIA.	625
843. Defense Department gross unpaid obligations outstanding (DOD).	Bil. dol., and of period	41.3	50.1	52.4	53.3	NA	50.7	48.8	HA	-3.7	HA	1.7	NA NA	643
648. Mfrs.' new orders, defense products (Census)	Ann. rate, bil. del		29.5											
650. Menufacturers' new orders from the U.S.	1	25.2		24.2	36.3	23.3	23.2	24.0	22.7	3.4	-5.4	50.0	-35.8	648
Government, serospace industries (Cansus)	da	16.3	21.2	18.0	25.7	NA	***	***	***	***	***	42.8	HA	650
workers, defense products industries (BLS) ¹ 864. Accessions, defense products industries	Number per 100	2.5	2.5	2.8	3.0	IIA	3.0	3.0	NA	0.0	HA	0.2	HA	653
(BLS) ¹ . 655. Leyoffs, defense products industries (BLS) ¹	employees	1.2	1.6	2.3 0.5	0.4	NA NA	0.7	NA NA	NA NA	NA HA	HA HA	-0.1 -0.1	HA	654 655
INTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY														
657. Output of defense and space equipment (FRB) 659. Mfrs,' inventories, defense products (Census)	1967=100 Bil, dol., and	80.0	78.4	78.3	80.1	81.0	80.5	81.1	81.4	0.7	0.4	2.3	1.1	657
861. Mfrs." unfilled orders, defense products (Census)	of period	6.6	6.6	6.5	6.9	NA 30.2	6.9	6.9 30.7	NA 30.2	0.0	NA -1.6	6.2	-5.3	659 661
664. Menufacturers' unfilled orders from the U.S. Government, sercapece industries (Census)	da	21.8	21.7	23.0	24.3	NA.						5.7	NA	664
666. Defense Depertment progress payments out- standing (DOD)	do	11.3	8.5	0.5	8.7	NA.						2.4	на	666
Employment in defense products industries (BLS): 670. Total	Thousands	1,118	1,064	1.066	1.081	MA	1,092	1,085	на	-0.6	NA		MA	670
871. Production workers	do	570	531	529	540	HA	546	547	NA	0.2	NA	2.1	MA	671
products industries (BLS)	1987=100	66.0	62.8	63.4	64.4	HA	65.1	64.6	HA	-0.8	NA	1.6	NA	673
workers, defense products industries (BLS) Defense Department personnel (DOD): (a)	do	100.5	101.2	107.2	112.6	NA	115.3	115.3	NA	0.0	NA	5.0	HA	675
877. Military, active duty	Thousands, and of period	2,084	2,072	2,075	2,075	2,075	2,079	2,073	2,075	-0.3	0.1	0.0	0.0	677
678. Civilien, direct hire employment Defense Department net outlays (DOD): 680. Total, military functions and military	do	1,028	995	995	1,009	NA	1,008	998	NA	-1.0	NA	1.4	NA	678
essistance. 882. Procurement	bil. del	88.5	88.3	95.6	93.9	107.7	107.6	100.4	115.2	-6.7 -12.7	14.7	-1.8	14.7	680 682
883. Budget outleys for the national defense function (Treesury)	do	92.5	89.1	96.7	95.2	HA	113.0	84.6	NA	-25.7	HA	-1.6	HA	683
685. Defense Dept, personnel compensation (DOD)	do	34.6	35.5 26.5	36.1 31.5	37.2	NA 30.0	37.0	36.2	NA 29.1	-2.2	HA	3.0	NA	685
889. Manufacturers' shipments to the U.S. Government, serospece industries (Census)			19.1				30.9	30.0		-2.9	-3.0	-3.2	-1.6	
691. Ratio, menufacturers' unfilled orders to shipments,	Sharin	17.3		21.1	20.2	HA	***	***	***	***	***	-4.3	AH	689
defense products (Census) 693. Retio, menufacturers' inventories to shipments, defense products (Census)	Ratio	3.1	13.5	2.5	12.5	12.3 NA	2.7	2.8	12.4 NA	3.7	0.8	5.9	-1.6 NA	691
DEFENSE-RELATED BALANCE OF PAYMENTS COMPONENTS														
546. Transfers under U.S. military agency seles	Ann. rate,													
contracts—exports (BEA)*. 547. Direct defense expendituree—imports (BEA)*	mil. dol	3,919 4,795	5,213	7,380 5,316	7,468 5,612	AN AR	***		***		***	88 296	NA NA	546 547
896. U.S. Government cash receipts associated with military sales contracts (BEA) ¹	do	4,587	8,213	7,968	7,540	NA						-428	AH	696

NOTE: This table is presented as a convenient summery of the current data for meny of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where eveilable, annual figures are those published by the source agencies; otherwise they (and the quarterly figures for monthly series) are everages or totals of the data as shown in the data tables. Series are secondly ediplicated except for those indicated by @, which appear to contain may seasoned movement.

NA = not evaliable. **Differences rather than percent changes are shown for this series.

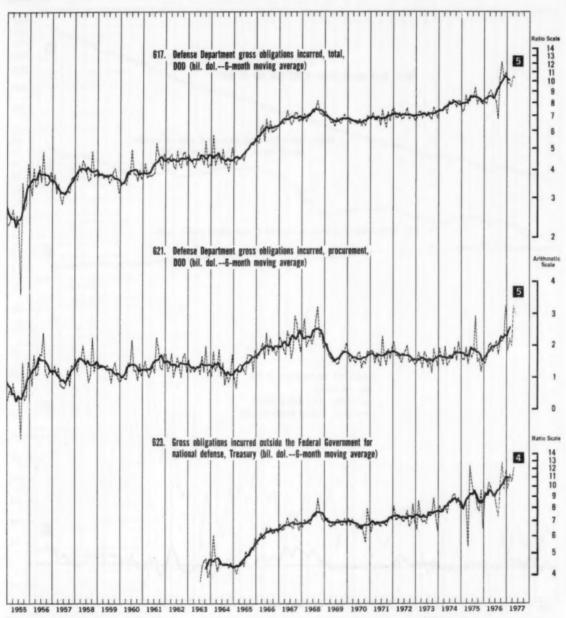
CHART

Gross National Product and National Defense Purchases



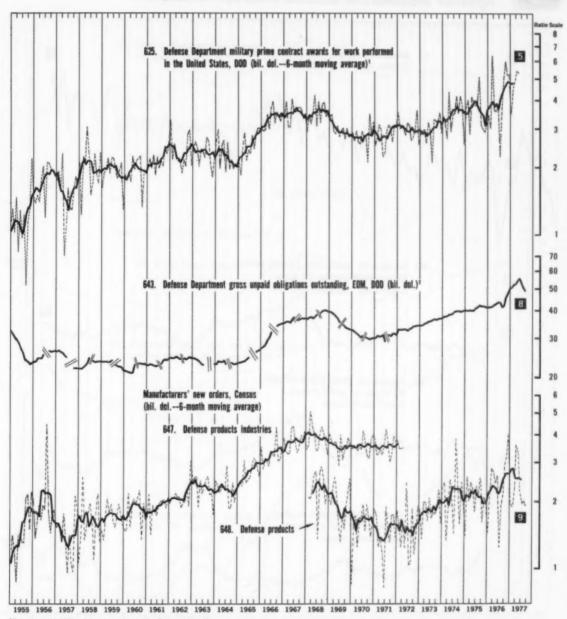


Advance Indicators of Defense Activity



Advance Indicators of Defense Activity--Continued





¹ Data prior to July 1955 exclude orders written to other Government agencies.

² Data for the following months not available: July of 1956-71; August of 1965-57 and 1965-66; September of 1967, 1963, and 1965; and October and November of 1963. Current data for these series are shown on pages 16 and 20.

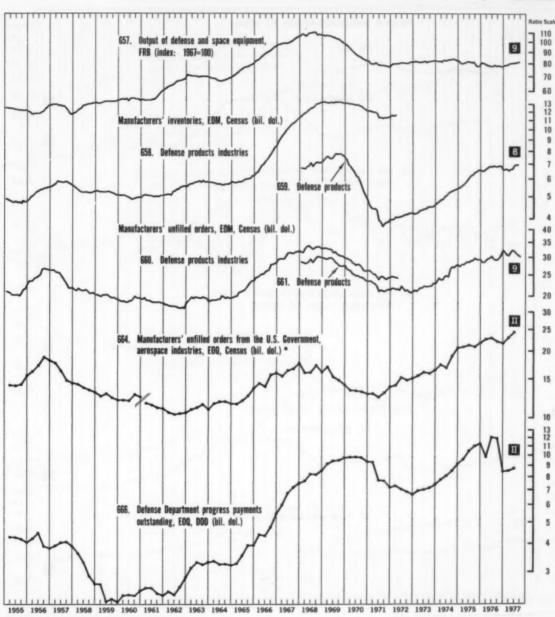


Advance Indicators of Defense Activity--Continued



♦Data prior to 1961 include orders from non-Government customer Current data for these series are shown on pages 20 and 21.





*Data prior to 1961 include orders from non-Government customers. Current data for these series are shown on page 22.



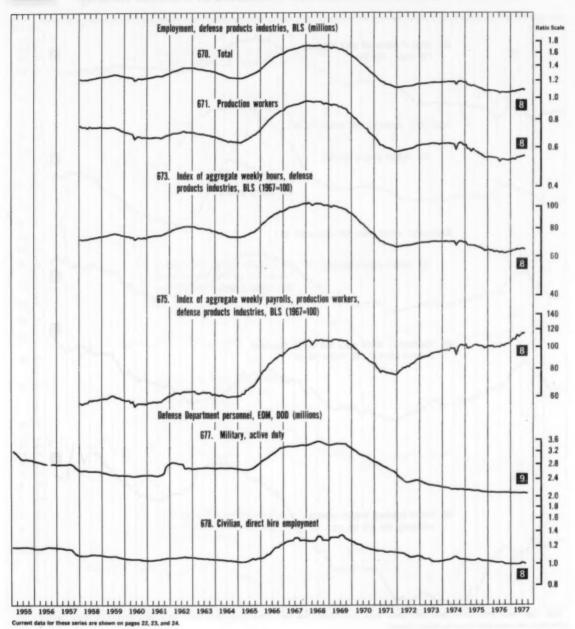
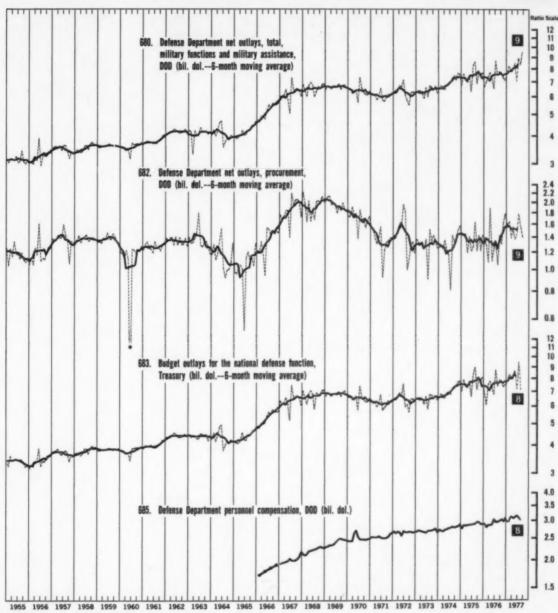


CHART 3



♦Net expenditures for procurement, June 1960--\$245 million Current data for these series are shown on pages 24 and 25.

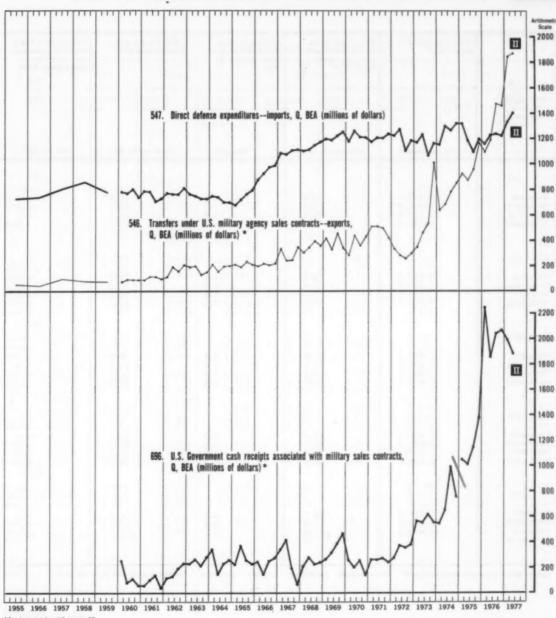




*Data prior to 1961 include shipments to non-Government customers. Current data for these series are shown on page 26.

Defense-Related Balance of Payments Components





defense indicators



Gross National Product and National Defense Purchases

Year and querter	product, BEA*		613. National defense purchases as a percent of gross national product, BEA*	200(b). Change in gross national product, BEA*	284(b). Change in Faderal Government purchases of goods and services, national defense, BEA*
BST - EE	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)	(Percent)	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)
1973	W		1		
First querter	1,265.3 1,288.4 1,317.5 1,355.1	74.1 73.1 72.5 74.4	The state of the s	45.9 23.1 29.1 37.6	0.8 -1.0 -0.6 1.9
0): -		MANA	ASTRIDO NO SE	M MA AND A	
1974	1,369.0	74.6	5.4	13.9	0.2
First quarter	1,400.1 1,430.1 1,452.4	75.8 77.9 79.6	5.4 5.4 5.5	31.1 30.0 22.3	1.2
1975					
First quarter	1,453.0 1,496.6 1,564.9 1,600.7	81.6 83.0 84.4 86.7	5.6 5.5 5.4 5.4	0.6 43.6 68.3 35.8	2.0 1.4 1.4 2.3
1976					
First quarter	1,651.2 1,691.9 1,727.3 1,755.4	86.3 86.0 86.4 88.4	5.2 5.1 5.0 5.0	50.5 40.7 35.4 28.1	-0.4 -0.3 0.4 2.0
1977					
First quarter Second quarter Third quarter Fourth quarter	1,810.8 1,869.9 pl,911.3	89.7 93.4 p97.3	5.0 5.0 p5.1	55.4 59.1 p41.4	1.3 3.7 p3.9

Note: All data on this page are seasonally adjusted. NA-not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 5.)

Advance Indicators of Defense Activity



Yeer		617, Total		619. Op	perations		621. Procurement	
and month	Not seasonally adjusted	Seasonally adjusted*	Moving average of sessonally adjusted data— 6-month*	Not seasonally adjusted	Sessonally adjusted	Not seasonally edjusted	Sessonally adjusted*	Moving average of seasonally adjusted data-6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1975								
January	8,252	7,341	7,916	5,471	5,148	1,895	1,603	1,77;
February	6,904	7,467	7,958	4,604	5,220	1,569	1,575	1,75;
March	7,526	8,677	7,956	4,787	5,251	1,994	1,960	1,70;
April	7,403	7,933	8,033	5,424	5,209	1,147	1,448	1,674
	6,796	8,199	8,246	4,761	5,121	1,147	1,813	1,711
	11,027	8,583	8,569	6,275	5,560	2,693	1,644	1,939
July	9,903	8,614	8,440	6,641	5,624	1,510	1,827	1,869
	9,812	9,406	8,516	5,337	5,327	2,508	2,940	1,891
	7,705	7,907	8,494	5,203	5,442	1,506	1,515	1,790
October November Decamber	9,045	8,387	8,385	6,130	5,660	1,733	1,605	1,78
	6,976	8,069	8,304	4,829	5,334	1,320	1,206	1,72
	7,156	7,925	8,064	4,895	5,373	1,428	1,612	1,51
Jenuery Februery	8,652	8,132	8,220	6,010	5,729	1,697	1,453	1,59
	7,206	7,962	8,344	4,745	5,203	1,664	1,672	1,67
	8,241	8,842	8,461	4,995	5,354	2,093	2,014	1,77
April	8,677	9,134	8,556	5,946	5,784	1,688	2,096	1,84
	6,825	8,772	8,553	4,828	5,419	1,155	1,828	1,95
	11,319	8,491	8,365	5,949	5,059	3,218	1,983	1,97
July	9,593	8,116	8,628	6,362	5,369	1,812	2,157	1,99
	7,427	6,833	9,148	5,055	5,010	1,458	1,747	2,00
	9,840	10,424	9,412	6,120	6,335	2,152	2,147	2,07
October November December	12,635	12,255	9,831	7,447	7,012	2,312	2,157	2,28
	9,620	10,355	10,120	5,561	6,145	2,497	2,258	2,23
	9,903	11,003	10,641	5,341	5,882	2,855	3,270	2,31
January February March	9,838	9,848	10,480	6,352	6,114	2,138	1,842	2,28
	8,787	9,963	10,216	5,501	6,223	2,206	2,219	2,47
	8,957	9,458	10,229	5,537	5,928	2,086	1,987	2,59
April	10,092 8,140 9,450	10,668 10,436 (1)	(NA)	6,365 5,344 5,739	6,271 5,984 (1)	2,640 1,908 2,077	3,251 3,024 (¹)	(NA
July	8,331 8,748 (HA)	(1) (1)		6,195 5,337 (NA)	(1) (1)	1,249 1,861 (NA)	(⁸)	

NA-not evailable; p-preliminary; r=revised; e-estimated. "Indicates series shown in charts. (See page 6.) 1 See "New Features and Changes for This Issue," page 3.



Advance Indicators of Defense Activity--Continued

	823. Gross oblig outside the Fed ment for nation	eral Govern-				ent military prime rmed in the United	contract awards for States, DOD	or	
Year	Treasury	ai derense,		625. Total		626.	Aircraft		ile and space stems
and month	Seasonally adjusted*	Moving average of sessonally adjusted date— 6-month*	Not sessonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not sesonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dal.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1975									
January February March	8,069 8,271 8,590	8,422 7,894 8,472	3,567 3,321 2,625	3,693 3,987 2,817	3,494 3,488 3,513	1,062 509 421	1,873	346 276 244	1,20
April	5,335 12,426 pl0,487	p8,863 p9,084 p9,259	2,914 2,713 6,626	4,122 3,926 3,773	3,720 3,744 3,925	316 386 732	1,524	377 242 537	1,45
July	9,397 9,321 8,092	p9,176 p9,592 p9,137	4,376 5,295 3,179	3,842 5,072 3,080	3,969 3,776 3,600	810 1,254 469	2,413	661 1,070 379	1,46
October	7,830 9,697 6,537	8,479 8,492 8,467	3,174 2,508 2,870	2,961 2,872 3,130	3,493 3,420 3,074	817 373 463	1,770	463 498 426	1,31
January February March	9,476 9,168 10,511	8,870 9,235 9,142	3,288 2,529 5,356	3,407 2,993 6,309	3,612 3,716 3,832	546 356 2,064	2,744	341 278 243	1,23
April	10,022 9,137 p9,383	p9,616 p9,410 p9,100	2,600 2,563 6,843	3,586 3,565 3,817	3,946 3,751 3,863	326 576 1,562	2,694	290 213 602	1,37
luly	8,238 7,307 10,597	p9,114 p9,557 p9,650	2,592 3,969 4,934	2,234 3,665 4,929	3,633 4,025 4,294	416 914 799	2,011	287 422 521	84
October	12,679 9,698 11,684	10,034 10,290 10,958	6,269 4,580 4,543	5,942 5,175 5,198	4,524 4,731 4,866	896 1,140 1,442	3,661	771 1.060 6.29	2,34
lanuary	9,777 11,313 10,476	10,938 10,825 (NA)	3,360 3,685 4,325	3,478 4,472 4,843	4,851 4,780 4,809	955 959 680	2,380	355 362 610	1,920
April	12,000 (NA)		4,041 3,778 3,349	5,513 5,351 (1)	(NA)	1,274 852 695	(2)	371 309 387	(3)
luly			r3,696 p3,750 (NA)	(³)		1,280 p494 (NA)		354 p251 (NA)	
October									

NA=not available; p=preliminary; r=ravised; e=estimeted. *Indicates series shown in charts. (See pages 6 and 7.)

^{*}See "New Features and Changes for This Issue," page 3.

Advance Indicators of Defense Activity--Continued

			HI LINE	United States, DOD-Co	munued			
Year	628. Ships, not seasonally adjusted	629. Weapons	and ammunition		nd communications pment	691, Com	nbet vehicles	
month		Not seasonally adjusted	Sessonally adjusted	Not sessonally adjusted	Seesonally adjusted	Not seasonally adjusted	Sessonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1975								
January	325	125		414				
February	251	160	537	414 331	1 404	21	**	
March	11	217		535	1,404	66 52	28	
						52	**	
April	621 94	147	:::	313		23		
May	858	128	577	587	1,305	86	19	
June	938	672	***	696		161		
July	250	52		394		100		
August	814	126	545	470	1,410	126	300	
September	439	95		430	1,410	90	25	
				1		30		
October	80	128		439		67		
November	114 211	66	375	445	1,280	14	17	
	211	146	***	332	***	62		
1976								
lanuary	310	76		263		48		
February	124	101	348	305	1,110	26	238	
March	1,213	148	***	442		61	230	
April	306	158						
May	65	135	447	348 381	1 2004	32	***	
June	346	450		735	1,204	63	415	
				733	• • •	512	***	
luly	506	52		207		4	1	
August	91	90	1,112	506	1,478	150	242	
September	396	418	***	664		119		
October	861	108						
November	153	121	453	410 710		252		
December	178	173	433	566	1,778	47 204	683	
1977				300		204	***	
1.00	202	0.0						
anuary	283 478	90 177	:::	427		74		
ebruary	483	131	427	436	1,470	74	568	
		434	***	473	•••	152		
\pril	322	193	***	615		25		
May	273	225	(1)	521	(1) ***	71	(1)	
uno	288	132		512		69	1	
uly	118	133						
August	p283	p199		r460		39		
aptember	(NA)	(NA)		p732		p65		
	,,	(1442)		(NA)		(NA)		
ctober								
ovember								
ecember								

NA-not available; p=preliminery; r=revised; e=estimated.

*See "New Features and Changes for This Issue," page 3.

defense indicators



Advance Indicators of Defense Activity--Continued

				in the United State	es, DOD-Continued					
Mari	632. Oth	er hard goods	633. S	oft goods	634. Co	netruction	635. S	635. Services		
Year and month	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Sessonally adjusted	Not sessonally adjusted	Seesonally adjusted	Not sessonally adjusted	Sessonally adjusted		
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)		
1975										
January	154		217		168		307			
February	143	497	704	1,489	134	481	341	1,39		
March	152		191		127	• • •	201			
April	147	1:::	164	:::	156	***	190			
May	165	487	121	658	291	838	211 574	925		
June	399		213	•••	1,073	•••	5/4			
h.h.	104		811		82		634			
July	115	532	307	937	61	486	570	1,130		
August	150	332	256	937	178	400	204	1,13		
Suprumour	130		250		1.0					
October	201		173		149		216			
November	156	631	214	687	56	605	210	523		
Decamber	179		244		176		121			
1976	,									
January	190		817		85		244			
February	180	590	330	1,611	107	448	256	1,111		
March	166		187		. 151		230	0.41		
April	173	:::	221	***	198	:::	179			
May	159	434	120	780	213	611	158	883		
June	316	***	243	***	791	***	587	•••		
halos	92		287		79		335			
July	177	792	513	646	196	1,073	504	1,01		
September	324	1	171		403	1,073	429	1,02		
Soptomoer	324		1		405		1			
October	105		1,760		42		660			
November	226	600	220	2,603	82	385	391	1,35		
December	199		295	***	136		275			
1977										
140				3						
January	213	:::	163	:::	125	***	241			
February	141	635	181	944	101	594	371	1,234		
March	222	***	538	***	175	***	242	***		
April	237		166		142		211			
May	203	(1)	156	(1)	456	(1)	220	(1)		
June	214	1 ''	200	. ,	228	, ,	204	1 '		
July	271	1	170		160		215			
August	p247		p191		p531		p243			
September	(NA)		(NA)		(NA)		(NA)			
October			1							
November				1. 10						
December		1					1			

NA=not available; p=preliminary; r=revised; e=estimated.

^{*}See "New Features and Changes for This Issue," page 3.



Advance Indicators of Defense Activity--Continued

			ilitary prime contract a United States, DOD-	awards for work performe Continued	d		epartment military act awards for	
Year	636. Contract	s under \$10,000		onel and nonprofit titutions	638. Civilian Health and Medical	work outside the United States, DOD		
and month	Not sessonally adjusted	Sessonally adjusted	Not sessonally adjusted	Seasonally adjusted	Program of the Uniformed Services (CHAMPUS), not sessonally adjusted	Not sessonally adjusted	Seesonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1975			-					
January	372		51		5	114		
February	345	1,144	61	205	0	93	388	
March	419	***	53	•••	2	96	***	
April	418		42		0	73		
May	367	1,141	35	201	0	86	813	
June	635	***	76	***	0	558	***	
July	263		184		5	244		
August	345	1,218	92	253	1	149	31	
September	409		80		0	124	•••	
October	374		67		0	252		
November	412	1,273	50	192	0	164	94	
December	408	***	82	***	0	255	**	
January	327		39		2	286		
February	416	1,156	48	163	2	95	68	
March	405		44		2	139	**	
April	300		68		1	147		
Mey	430	1,100	50	254	0	93	60	
June	625	***	73		1	306	**	
July	253		74	0.0 0	0	208	::	
August	351	1,458	55	142	0	132	42	
September :	615	***	74		1	347	**	
October	201		203	:::	0	575		
November	303	892	127	415	0	107 175	96	
Decamber	358	***	/8	•••		1/3		
January	365		69		0	362		
February	344	1,279	61	285	0	74	87	
March	528		91	•••	0	191		
April	420	(1)	65	(1)	0	101	(1)**	
May	451	(1)	41	(1)	0	103	(-)	
June	384		36		0	157		
July	r449		47		0	190		
August	p464		p50		p0	p174 (NA)		
September	(NA)		(NA)		(NA)	(NA)		
October								
November								
December								

NA=not available; p=preliminary; r=revised; e=estimated.

^{*}See "New Features and Changes for This Issue," page 3.



Advance Indicators of Defense Activity--Continued

		Defense De	partment gross unp	eid obligations ou	tstanding, DOD		new orde	nufacturers' ers, defense	650. Manufac- turers' new orders from th
	643	3. Total	644. 0	perations	645. Pr	rocurement	produc	ts, Census	U.S. Govern- ment, serospa
Year and month	Not sessonally edjusted	Seasonally adjusted*	Not sessonally adjusted	Seesonally adjusted	Not sessonally adjusted	Seasonally adjusted	Seasonally adjusted*	Moving average of sessonally adjusted data— 6-month*	industries, Census, seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1975									
January	40,819 40,008 39,473	40,052 39,875 40,198	7,997 7,520 7,169	7,625 7,626 7,775	25,484 25,452 25,688	24,838 24,568 25,259	1,398 2,576 1,996	2,004 2,147 2,118	4,415
April	38,589 37,120 39,557	39,918 40,086 40,959	7,276 6,746 7,303	7,794 7,713 8,005	24,932 24,321 25,311	24,957 25,099 25,438	2,445 2,266 1,799	2,080 2,242 2,167	3,912
July	e41,470 43,248 43,084	e41,437 42,140 41,805	e8,733 8,677 8,677	e8,548 8,132 8,216	e25,167 26,070 26,002	e25,370 26,684 26,479	2,367 2,130 2,563	2,262 2,123 2,095	4,783
October November	43,754 42,767 41,551	41,845 41,468 41,309	9,259 8,804 8,261	8,247 8,353 8,241	26,081 25,810 25,507	26,238 25,707 25,305	1,610 2,100 1,937	2,118 1,963 1,974	5,227
1976 January February Merch	42,110 41,512 41,046	41,358 41,459 41,866	8,947 8,538 7,966	8,548 8,681 8,658	25,503 25,586 25,783	24,905 24,841 25,277	1,440 2,194 2,818	2,017 2,197 2,247	5,426
April	41,029 39,742 42,152	42,494 42,970 43,612	8,253 7,795 8,037	8,827 8,914 8,780	25,606 25,125 26,508	25,657 25,929 26,482	2,690 2,401 2,614	2,360 2,326 2,280	5,272
luly	43,366 42,525 43,351	43,251 41,406 42,047	8,939 8,569 8,615	8,717 8,025 8,160	26,537 26,346 26,832	27,162 26,802 27,185	1,239 1,919 2,153	2,169 2,194 2,318	3,818
October November December	47,890 48,988 50,354	45,813 47,517 50,103	10,624 10,700 10,374	9,484 10,184 10,353	27,632 28,934 29,348	27,827 28,733 29,202	2,840 3,141 4,050	2,557 2,675 2,670	6,663
lanuary	51,694 52,016 51,326	50,780 52,016 52,373	11,150 11,122 10,563	10,660 11,326 11,494	29,966 30,485 30,550	29,465 29,946 30,128	1,949 1,887 2,214	2,680 2,806 2,832	4,496
April	52,309 51,512 51,549	54,206 55,749 53,308	10,978 10,574 10,320	11,729 12,098 11,254	31,330 31,390 31,449	31,551 32,562 31,449	3,597 3,293 2,182	2,520 2,518 r2,536	p6,420
uly August leptember	50,898 50,133 (NA)	50,695 48,815 (NA)	10,676 9,792 (NA)	10,395 9,169 (NA)	30,853 30,791 (NA)	31,259 31,292 (NA)	1,932 r1,998 p1,889	p2,482	(NA)
October									

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 7 and 8.)

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Advance Indicators of Defense Activity--Continued

		weekly overtime h lefense products in		854. Acc	cession rate, defen industries, BLS		665. La	yoff rate, defense industries, BLS	products
Year and month	Not seasonally adjusted	Sessonally adjusted*	Moving average of seasonally adjusted date— 4-month*	Not sessonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 4-month*	Not sessonally adjusted	Sessonally adjusted*	Moving averag of seasonally adjusted data- 4-month*
	(Hours)	(Hours)	(Hours)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 amployees)	(Per 100 employees)
1975									
Jenuary February March	2.4	2.5	2.6	1.4	1.6	1.6	1.2	1.1	1.0
	2.4	2.5	2.5	1.3	1.6	1.6	1.3	1.2	1.2
	2.3	2.5	2.5	1.3	1.6	1.7	2.1	1.9	1.4
April	2.1	2.4	2.4	1.9	2.1	1.6	1.4	1.3	1.4
	2.0	2.3	2.4	1.3	1.3	1.5	1.3	1.3	1.5
	2.5	2.4	2.4	1.7	1.0	1.4	1.3	1.4	1.2
July	2.2	2.5	2.4	1.6	1.3	1.2	0.8	1.0	1.2
	2.6	2.6	2.5	1.6	1.2	1.2	1.2	1.3	1.2
	2.8	2.5	2.6	1.7	1.3	1.2	1.0	1.2	1.2
October	2.7	2.6	2.6	1.4	1.2	1.2	1.0	1.1	1.1
	2.7	2.5	2.5	1.0	1.3	1.4	0.8	0.7	0.9
	2.9	2.5	2.6	0.8	1.6	1.4	0.6	0.6	0.8
January February March	2.5	2.6	2.6	1.3	1.4	1.5	1.1	1.0	0.8
	2.5	2.6	2.6	1.3	1.6	1.6	0.8	0.7	0.8
	2.4	2.5	2.4	1.5	1.7	1.5	0.8	0.7	0.7
April	1.7	2.0	2.4	1.2	1.4	1.6	0.6	0.5	0.6
	2.3	2.6	2.4	1.6	1.6	1.6	0.6	0.6	0.6
	2.5	2.5	2.4	2.1	1.5	1.4	0.6	0.7	0.6
July	2.4	2.7	2.6	1.6	1.3	1.5	0.7	0.8	0.7
	2.7	2.7	2.6	2.0	1.6	1.5	0.6	0.7	0.8
	2.6	2.3	2.6	1.9	1.5	1.5	0.6	0.8	0.8
October	2.8 2.8 3.2	2.7 2.5 2.8	2.6 2.6 2.7	1.8	1.6 1.9 1.7	1.6 1.7 1.9	0.8 0.5 0.3	0.8 0.5 0.4	0.7 0.6 0.6
January February March	2.7	2.8	2.8	2.2	2.4	2.0	0.6	0.5	0.4
	2.8	2.9	2.8	1.8	2.1	2.1	0.5	0.4	0.5
	2.5	2.7	2.8	2.1	2.3	2.2	0.9	0.7	0.5
April	2.6	3.0	2.9	2.0	2.2	2.2	0.4	0.3	0.5
	2.9	3.1	3.0	2.3	2.3	2.2	0.5	0.5	0.4
	3.0	3.0	3.0	2.8	2.2	2.1	0.3	0.3	0.4
July	2.8 p3.1 (NA)	3.0 p3.0 (NA)	p3.0 (NA)	2.0 (NA)	1.7 (NA)	(NA)	0.6 (NA)	0.7 (NA)	(NA)
October									

NA=not eveilable; p=pretiminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 8.)

defense indicators



Intermediate and Final Indicators of Defense Activity

	657, Output of defense and space	659. Manufacturers' inventories, defense	661. Manufacturers' unfilled orders,	664, Manufacturers' unfilled orders	666. Defense Department progress		ment in defense stries, total, BLS
Year and month	equipment, FRB, seesonally adjusted*	products, Census, seesonally adjusted*	defense products, Census, seasonally adjusted*	from the U.S. Gov- ernment, serospace industries, Census, seasonally adjusted*	payments out- standing, DOD, not seasonally adjusted*	Not seasonally adjusted	Seasonelly adjusted*
	(Index: 1987=100)	(Mil. dol.)	(Mil. doi.)	(Mil. dal.)	(Mil. dol.)	(Thous.)	(Thous.)
1975							
January	82.1	5,487	27,221			1.178	1,175
February	79.9	5,565	27,815			1,141	1,141
March	79.7	5,639	27,823	20,907	9,609	1,137	1,142
April	80.2	5,750	28,238			1,121	1,128
	80.9	5,890	28,604	• • •	•••	1,131	1,140
May	81.6	6,051	28,459	21,230	10,464	1,123	1,127
July	81.0	6,207	28,920	***	***	1,110	1,117
August	80.6	6,252	29,007	20 225	11 000	1,100	1,108
September	81.2	6,399	29,706	20,906	11,008	1,104	1,100
October	78.5	6,456	29,237			1,097	1,090
November	77.3	6,549	29,264		•••	1,089	1,077
December	77.7	6,568	29,210	21,776	11,257	1,088	1,075
1976						, ,	
January	80.5	6,488	28,449			1,084	1,081
February	80.1	6,523	28,438			1,075	1,076
March	79.5	6,634	29,069	22,598	9,848	1,071	1,077
April	78.4	6,720	29,550			1,066	1,072
May	78.1	6,824	29,727			1,061	1,070
lune	77.5	6,774	30,294	22,883	12,041	1,060	1,064
July	77.5	6,846	29,422			1,043	1,050
August	78.5	6,804	29,153		***	1,053	1,060
September	77.6	6,798	29,188	22,020	11,881	1,062	1,059
Detabas	70.0	× 0.47	00.000			1 000	1 056
October	78.0 77.6	6,847	29,800	***		1,062	1,056
December	77.2	6,847	30,698	21,666	8,465	1,066	1,060
1977	77.2	0,377	32,231	21,000	0,403	1,070	1,000
anuary	78.0	6,609	31,536			1,067	1,062
February	78.5	6,625	30,809	***	• • •	1,067	1,069
Warch	78.5	6,517	30,411	22,962	8,521	1,061	1,067
April	70.0	6 600	21 510			2 021	1
May	79.9	6,602	31,512	•••	***	1,071	1,077
une	80.0	6,637	32,226 31,857	p24,308	8,735	1,071	1,079
				P24,300	3,133		
July	r80.5	6,936	31,212			rl,084	r1,092
August	r81.1	6,926	r30,707	***		pl,077	pl,085
September	p81.4	(NA)	p30,168	(NA)	(NA)	(NA)	(NA)
October							
November							
December							1

NA=not eveilable; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 9 and 10.)

TABLE

Intermediate and Final Indicators of Defense Activity--Continued

ent les		defense products industries, n workers, BLS		ate weekly frours, defense industries, BLS	675. Index of aggregate workers, defense p	weekly payrolls, product roducts industries, BLS
Year and month	Not sessonally adjusted			Sessonally adjusted *	Not sessonally adjusted	Sessonally adjusted*
1.5m (68)	Dec 100	(AR 28)	1000 100		(Healt).	
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)
1975	CELLO.	16.7 021	Teo.	SIO, L	2,165	ym
lenuary	618	615	69.2	69.2	102.8	102.6
	589	589	67.0	67.0	98.6	98.4
	585	588	66.8	67.0	99.1	99.4
April	570	574	66.1	66.8	97.6	99.5
	581	588	66.5	66.8	100.2	101.3
	573	577	66.4	66.6	101.2	102.3
July	564	570	65.0	66.1	97.9	101.0
	555	563	64.9	65.6	98.3	101.0
	558	556	65.5	65.1	102.0	101.2
October	554	549	64.9	64.5	101.5	100.4
	549	540	64.6	63.5	101.8	98.7
	549	538	65.0	63.8	104.9	99.6
1978	11516	31.7	64.1	910.1	180.5	
February	540 540 537	542 540 529	63.5 63.3	64.1 63.5 63.6	101.3 100.7 100.8	101.1 100.4 101.1
April	533	537	62.0	62.7	96.1	99.3
	530	536	62.6	63.0	99.2	100.0
	529	533	62.6	62.8	99.4	100.2
July	510	516	61.2	62.2	96.0	99.8
	520	528	62.0	62.7	99.2	101.8
	529	528	62.4	62.0	101.9	101.1
October November December	529	525	62.4	62.0	104.0	102.6
	532	523	63.5	62.5	106.5	103.6
	533	524	64.1	62.7	109.2	103.6
January February March	533	529	63.0	62.8	106.4	105.5
	531	531	63.6	63.7	108.5	108.4
	525	528	63.3	63.6	107.4	107.6
April	533	538	63.5	64.5	109.2	113.1
	534	539	63.8	64.1	110.3	111.2
	541	543	64.6	64.6	112.7	113.5
July	r539	r546	r64.0	r65.1	r110.9	r115.3
	p538	p547	p64.0	p64.6	p112.3	p115.3
	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
October November				in an annual frame		

NA=not available; p=preliminary; r=revised; a=estimated. *Indicates series shown in charts. (See page 10.)



	Defense Departm	nent personnel, DOD		Defe	nse Department net outli	eys, DOD	
Year	677. Military, active duty, not seesonally adjusted*	678. Civilian, direct hire employment, not sessonally	690. T	otal, military functions assistance	and military	681, (Operations
and month	aujustau	adjusted*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1975							
January	2,145	1,038	7,051	6,766	7,312	4,775	4,64
February	2,146	1,036	7,258	7,590	7,284	4,727	4,92
Merch	2,137	1,034	7,244	7,190	7,258	4,736	4,83
April	2,127	1,034	7,190	6,958	7,056	4 000	
May	2,124	1,035	7,780	7,494	7,308	4,960	4,856
lune	2,128	1,042	7,476	6,336	7,475	4,954	4,747
luly	2,129	1,052	7,124	8,278	7 400	4 000	
August	2,111	1,038	7,961	8,594	7,423	4,918	4,977
September	2,105	1,030	6,631	6,880	7,566	5,081 4,810	5,029 5,016
October	2,097	1,031	7,913				
lovember	2,099	1,029	7,203	7,732	7,788	5,260	5,131
ecember	2,084	1,028	7,695	7,672	7,515 7,251	4,997	4,988
1976		.,	.,000	7,072	7,231	5,078	5,067
anuary	2,092	1,023	6,649	6,636	7,326	* ***	
abruary	2,093	1,019	6,962	7,011	7,322	4,887	4,940
farch	2,090	1,016	7,642	7,334	7,259	5,026	4,995
pril	2,087	1,011	7,872	7,703	7,068	5,297	. 150
ley	2,081	1,010	7,042	7,200	7,406	4,889	5,160 5,023
une	2,082	1,010	7,843	6,525	7,486	5,170	4,925
uly	2,087	1,014	7,433	8,663	7,563		
ugust	2,085	1,006	7,163	7,493	7,546	5,050	5,135
eptember	2,084	997	7,513	7,794	7,562	5,457	5,054 5,543
ctober	2,086	995	7,478	7,600	7,657		
ovember	2,082	996	7,301	7,294	7,477	4,984	5,015
acember	2,072	995	7,422	7,096	7,614	5,277	5,220 5,190
1977					.,	3,330	3,190
nuary	2,077	994	6,979	7,586	7,649	5,262	
abruary	2,078	995	8,004	8,312	7,697	5,262	5,436
arch	2,075	995	8,454	8,006	7,911	5,529	5,501
nil line	2,071	995	7,850	7,889	7.896	5,487	
y	2,070	997	8,412	8,575	8,125	5,487	5,443
no	2,075	1,009	8,266	7,005	r8,135	5,540	5,271
ly	2,079	1,008	7,879	8,964	-0.403		
igust	2,073	998	r8,244	r8,370	p8,401	5,389	5,449
ptamber	p2,075	(NA)	p9,448	p9,602		r5,505 p5,873	r5,402 p5,932
ctober						2-,	23,332
vember							
camber							

NA=not available; p=preliminary; r=ravised; e=estimated. *Indicates series shown in charts. (See pages 10 and 11.)



April		Defense D	epartment net outleys, l	DOD Continued	, 683. Budget out defense fun	leys for the national action, Treesury	685. Defense De compen	spertment personn setion, DOD
Mot meanonally adjusted Moving average of seasonally adjusted data—8-month* Mil. dol.) Mil. dol.) (Mil.			682. Procurement					Sessonally adjusted*
1975 1,427				seasonally adjusted		data-8-month*		wyusteu
January		(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil, dol.)
February 1,351 1,444 1,429 7,939 7,534 2,913	1975							
February 1,351 1,444 1,429 7,896 7,526 2,808 2,913 April 1,500 1,440 1,414 7,385 7,536 2,808 2,812 April 1,467 1,406 1,328 7,788 7,564 2,870 1,409 1,215 1,360 6,649 7,747 2,823 April 1,409 1,215 1,360 6,649 7,747 2,823 April 1,409 1,215 1,360 6,649 7,747 2,823 April 1,559 1,634 1,361 8,996 7,818 2,873 8potember 1,191 1,217 1,330 7,140 7,836 2,835	January		1,428	1.460	7 030			
April 1,220 1,194 1,354 7,385 7,536 2,812 April 1,220 1,194 1,354 7,297 7,342 2,867 June 1,467 1,406 1,328 7,788 7,564 2,870 June 1,409 1,215 1,360 6,649 7,747 2,823 July 1,225 1,268 1,322 8,367 7,706 2,941 August 1,559 1,634 1,361 8,996 7,818 2,873 September 1,191 1,217 1,330 7,140 7,818 2,873 Cotober 1,500 1,425 1,365 7,971 8,079 3,008 December 1,319 1,427 1,384 7,896 7,830 2,866 June 1,081 1,220 1,384 7,896 7,830 2,866 June 1,081 1,227 1,384 7,896 7,830 2,866 June 1,081 1,227 1,384 7,366 7,360 2,820 June 1,092 1,082 1,361 7,497 7,286 2,887 June 1,092 1,095 1,321 7,334 7,376 2,851 June 1,418 1,244 1,281 6,795 7,589 3,007 July 1,347 1,326 1,338 8,717 7,656 2,963 June 1,337 1,303 1,338 8,717 7,656 2,963 June 1,337 1,303 1,382 7,896 7,653 2,978 June 1,337 1,303 1,328 7,360 7,610 3,020 July 1,347 1,326 1,328 7,360 7,610 3,020 June 1,337 1,303 1,303 1,418 7,409 7,649 2,962 June 1,337 1,303 1,303 1,418 7,743 7,776 3,026 3,034 June 1,502 1,617 1,462 7,360 7,610 3,020 June 1,554 1,554 7,753 7,764 3,097 June 1,554 1,554 7,723 7,802 3,034 June 1,552 1,554 7,550 8,125 8,060 3,137 July 1,552 1,751 1,564 8,650 7,610 3,008 July 1,552 1,552 8,125 8,060 3,137 July 1,552 1,554 7,550 7,146 8,075 3,112 3 July 1,552 1,752 1,772 1,511 9,483 July 1,552 1,752 1,752 1,551 7,643 7,047			1,444					2,76
April 1,220	March	1,500	1,440					2,86
1,467				1,354	7.297	7.342		
July 1,225 1,360 6,649 7,747 2,823 July 1,225 1,268 1,322 8,367 7,706 2,941 2,673 2,933 July 1,215 1,559 1,634 1,361 8,996 7,818 2,873 2,936 October 1,550 1,634 1,361 8,996 7,818 2,873 2,936 October 1,500 1,425 1,365 7,971 8,079 3,008 1,320 1,384 7,896 7,330 2,866 7,830 2,866 1,320 1,384 7,896 7,330 2,866 1,320 1,384 7,896 7,330 2,866 1,365 7,971 8,079 3,008 1,427 1,328 8,103 7,352 2,916 July 1,427 1,328 8,103 7,352 2,916 July 1,427 1,328 8,103 7,352 2,916 July 1,427 1,293 1,382 6,126 7,380 2,820 2,820 4,1095 1,082 1,361 7,457 7,286 2,887 April 1,792 1,884 1,330 7,784 7,068 2,845 1,092 1,095 1,321 7,334 7,376 2,851 July 1,418 1,244 1,281 6,795 7,589 3,007 July 1,347 1,326 1,338 8,717 7,656 2,963 1,042 1,063 1,055 1,241 7,409 7,649 2,962 2,916 July 1,351 1,356 1,328 7,896 7,653 2,978 July 1,351 1,352 1,353 1,358 7,764 3,026 3,026 July 1,351 1,352 1,353 1,355 1,241 7,309 7,659 2,978 July 1,572 1,781 1,561 7,530 7,764 3,027 3,028 July 1,555 1,554 1,554 7,530 7,764 3,097 3,097 July 1,555 1,555 1,564 7,530 7,764 3,097 3,097 July 1,555 1,555 1,566 8,331 7,845 2,886 2,886 1,555 1,555 1,566 8,331 7,845 2,886 2,886 1,555 1,555 1,566 8,289 3,084 3,108 1,555 1,566 8,289 3,084 3,108 1,555 1,566 8,289 3,084 3,108 1,555 1,567 1,560 7,645 8,289 3,084 3,108 1,555 1,567 1,560 7,646 8,050 8,289 3,084 3,108 1,555 1,560 8,289 3,084 3,108 1,555 1,560 8,289 3,084 3,108 1,555 1,560 8,289 3,084 3,108 1,557 1,560 7,146 8,075 3,112 3,109 1,575 1,577 1,57		1,467		1,328				2,87
August 1,559 1,634 1,361 8,996 7,818 2,941 2,936 October 1,500 1,425 1,365 7,971 8,079 3,008 1,081 1,220 1,384 7,896 7,830 2,866 1,081 1,220 1,384 7,896 7,830 2,866 1,081 1,220 1,384 7,396 7,352 2,916 October 1,319 1,427 1,328 8,103 7,352 2,916 October 1,365 1,427 1,328 8,103 7,352 2,916 October 1,361 1,220 1,384 7,896 7,830 2,866 2,866 1,086 1,081 1,227 1,293 1,382 6,126 7,380 2,820 0,122 1,082 1,361 7,497 7,286 2,887 October 1,195 1,082 1,361 7,497 7,286 2,887 October 1,092 1,095 1,321 7,334 7,368 2,845 1,418 1,244 1,281 6,795 7,589 3,007 October 1,418 1,244 1,281 6,795 7,589 3,007 October 1,336 1,055 1,241 7,409 7,656 2,963 1,423 1,328 7,896 7,653 2,978 October 1,337 1,303 1,418 7,409 7,669 2,962 1,326 1,423 1,328 7,896 7,653 2,978 October 1,502 1,617 1,462 7,360 7,610 3,020 3,020 1,781 1,551 1,561 7,530 7,764 3,097 1,764 October 1,502 1,617 1,462 7,360 7,610 3,020 3,007 October 1,502 1,617 1,561 7,530 7,764 3,097 1,764 October 1,511 1,381 1,552 8,125 8,060 3,137 3,008 3,009 October 1,558 1,558 1,555 1,496 8,331 7,845 2,886 2,886 2,886 2,886 2,886 2,886 2,889 3,084 3,124 1,552 8,125 8,060 3,137 3,008 3,009 October 1,550 1,558 1,555 1,496 8,331 7,845 2,886 2,889 3,084 3,124 1,552 8,155 8,060 3,137 3,008 3,109 October 1,550 1,555 1,496 8,331 7,845 2,886 2,889 0ctober 1,558 1,558 1,558 8,650 8,289 3,084 3,109 October 1,558 1,558 1,558 8,650 8,289 3,084 3,109 October 1,551 1,552 1,555 1,496 8,650 8,289 3,084 3,109 October 1,552 1,557 1,567 7,567 0,477 0		1,409	1,215	1,360		7,747		2,87
1,359					8,367	7.706	2.941	2,89
October 1,500 1,425 1,365 7,971 8,079 3,008 2,866 1,319 1,427 1,328 8,103 7,352 2,916 1,319 1,427 1,328 8,103 7,352 2,916 1,319 1,427 1,328 8,103 7,352 2,916 1,319 1,427 1,328 8,103 7,352 2,916 1,319 1,427 1,228 1,382 6,126 7,380 2,820 1,361 1,227 1,293 1,382 6,126 7,380 2,820 1,361 7,497 7,286 2,887 1,082 1,361 7,497 7,286 2,887 1,092 1,095 1,321 7,334 7,376 2,881 1,092 1,095 1,321 7,334 7,376 2,881 1,244 1,281 6,795 7,589 3,007 1,418 1,244 1,281 6,795 7,589 3,007 1,418 1,244 1,281 6,795 7,656 2,963 1,241 7,409 7,649 2,962 1,356 1,423 1,328 7,896 7,653 2,978 1,356 1,423 1,328 7,896 7,653 2,978 1,556 1,423 1,556 1,541 7,550 1,561 7,530 7,764 3,026 3,020 1,775 1,781 1,556 1,555 1,544 7,556 8,331 7,845 2,886 2,886 1,556 1,555 1,546 1,555 1,566 3,331 7,845 2,886 2,886 1,556 1,555 1,566 8,331 7,845 2,886 2,886 1,556 1,555 1,564 1,556 8,331 7,845 2,886 2,886 1,556 1,555 1,560 8,289 3,088 3,189 1,524 1,556 1,555 1,496 8,650 8,289 3,084 3,199 1,551 1,551 1,551 1,555 1,560 7,146 8,075 3,112 3,109 1,572 1,572 1,577 1,572 1,575 1,574 1,575 1,57	Contember				8,996			2,91
November 1,081 1,220 1,384 7,896 7,830 2,866 December 1,319 1,427 1,328 8,103 7,352 2,866 2,916 1976 Senusry 1,363 1,384 1,305 6,874 7,411 3,018 derech 1,195 1,082 1,361 7,497 7,286 2,827 April 1,092 1,095 1,321 7,334 7,376 2,851 1,418 1,244 1,281 6,795 7,589 3,007 Uly 1,347 1,326 1,338 8,717 7,656 2,963 2,963 2,962 1,356 1,423 1,328 7,896 7,653 2,978 december 1,356 1,423 1,328 7,896 7,653 2,978 december 1,502 1,617 1,462 7,360 7,764 3,026 3,020 2,962 1,745 1,781 1,554 7,530 7,764 3,026 3,037 december 1,745 1,781 1,554 7,530 7,764 3,026 3,037 december 1,511 1,381 1,552 8,125 8,060 3,137 3,084 3,097 december 1,511 1,381 1,552 8,125 8,060 3,137 3,084 3,097 december 1,558 1,555 1,496 8,000 7,996 3,008 3,008 3,008 december 1,524 1,536 1,536 1,536 1,536 8,650 8,289 3,084 3,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,009 december 1,552 1,547 7,466 8,075 3,112 3 december 1,552 1,547 7,566 8,650 8,289 3,084 3,084 3,097 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,054 13,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,054 13,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,009 december 1,5521 1,547 7,047 7,047 (MA) 13,054 13,054 13,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,054 13,009 december 1,5521 1,547 7,047 7,047 (MA) 13,054 13,054 13,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,054 13,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,054 13,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,054 13,009 december 1,572 1,572 1,577 pl.511 9,483 (MA) 13,054 13,054 13,009 december 1,572 1,577			1,217	1,330	7,140	7,836	2,936	2,96
1,081	October			1,365	7.971	8 079	2 000	
1976 1976 1976 1978 anuary	lovember							2,95
1976		1,319	1,427	1,328				2,89
							-,	-170
1,227	lanuary			1,305	6.874	7.411	2 010	
April 1,792 1,884 1,330 7,784 7,068 2,845 1,095 1,321 7,334 7,376 2,851 3,007 1,418 1,244 1,281 6,795 7,589 3,007 1,095 1,321 7,334 7,376 2,851 3,007 1,095 1,347 1,326 1,338 8,717 7,656 2,963 2,962 2,963 1,356 1,423 1,328 7,896 7,653 2,978 2,000 1,356 1,423 1,328 7,896 7,653 2,978 2,000 1,356 1,423 1,328 7,896 7,653 2,978 2,000 1,356 1,423 1,328 7,896 7,653 2,978 2,000 1,745 1,502 1,617 1,462 7,360 7,610 3,020 2,000 1,745 1,781 1,561 7,530 7,764 3,097 3,000 3,000 1,745 1,570 1,646 1,556 8,331 7,845 2,886 2,886 2,886 1,511 1,381 1,552 8,125 8,060 3,137 3,000 1,511 1,381 1,552 8,125 8,060 3,137 3,000 3,137 3,000 1,558 1,324 1,358 1,526 8,650 8,289 3,084 3,000 1,643 1,442 1,509 7,146 8,075 3,112 3,000 1,572 1,572 1,572 1,572 1,577 1,511 9,483 (NA) 13,054 13	Hazel	1,227		1,382				2,90
May		1,195	1,082	1,361	7,497			2,86
1,418		1,792		1,330	7.784	7.068	2.048	
1,418	WBY			1,321				2,86
buly 1,347 1,326 1,338 8,717 7,656 2,963 2,962 2,962 2,962 2,962 2,978 2,962 2,978 2,962 2,978 3,026 3,026 3,026 3,026 3,026 3,026 3,026 3,027	une	1,418	1,244	1,281				3,036
August 1,063 1,055 1,241 7,409 7,649 2,962 2,978 Japtember 1,356 1,423 1,328 7,896 7,653 2,978 2,962 2,978 2,962 2,978 3,020 3,020 3,020 3,020 3,034 2,978 2,978 2,978 <t< td=""><td></td><td></td><td>1,326</td><td>1.338</td><td>8 717</td><td>3 686</td><td></td><td></td></t<>			1,326	1.338	8 717	3 686		
### ##################################	August	1,063	1,055					2,960
1,337	aptember	1,356	1,423					2,962
1,502			1,303	1.418	7 743			
1,745	lovember			1,462				3,037
1977 enuary 1,524 1,594 1,554 7,723 7,802 3,034 2 ebruary 1,570 1,646 1,596 8,331 7,845 2,886 2 larch 1,511 1,381 1,552 8,125 8,060 3,137 3 pril 1,558 1,555 1,496 8,000 7,996 3,008 3 lay 1,324 1,358 1,526 8,650 8,289 3,084 3 lay 1,643 1,442 1,509 7,146 8,075 3,112 3 pril 1,572 1,772 pl,511 9,483 (NA) r3,054 r3		1,745	1,781					2,978
obrusny 1,570 1,646 1,596 8,331 7,802 3,034 2 larch 1,511 1,381 1,552 8,125 8,060 3,137 3 opril 1,558 1,555 1,496 8,000 7,996 3,008 3 ley 1,324 1,358 1,526 8,650 8,289 3,084 3 une 1,643 1,442 1,509 7,146 8,075 3,112 3 uly 1,572 1,772 p1,511 9,483 (NA) r3,054 r3 ugust 1,521 1,547 7,047 (NA) r3,054 r3	1977					.,,,,,	3,037	3,000
1,570			1.594	1.554	7 722	2 000		
April 1,511 1,381 1,552 8,125 8,060 3,137 3 April 1,558 1,555 1,496 8,000 7,996 3,008 3 April 1,324 1,358 1,526 8,650 8,289 3,084 3 April 1,643 1,442 1,509 7,146 8,075 3,112 3 April 1,572 1,772 p1,511 9,483 (NA) r3,054 r3					8.331	7,802		2,951
071	narch	1,511	1,381	1,552		8,060		2,951
Ine 1,324 1,358 1,526 8,650 8,289 3,084 3 1,643 1,442 1,509 7,146 8,075 3,112 3 1 1,572 1,772 pl,511 9,483 (NA) r3,054 r3 1,521 1,521 1,547	pril		1,555	1.496	8.000	2 006		
1,643 1,442 1,509 7,146 8,075 3,112 3 dy			1,358			8.289		3,063
NA) r3,054 r3	A118	1,643	1,442			8,075		3,087
ugust				pl,511	9,483	(112)		
D3 4055 1 B3	ugust	1,521	1,547			(88)		r3,082
P1,371 P1,390 (NA)	optemour	p1,371	p1,390					p3,019 (NA)
ctober								()
ovember	ovember			100				

NA=not evailable; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 11.)



		rs' shipments, defense ts, Census	689. Manufacturers' shipments to the	691. Ratio, manufac to shipments, defe	cturers' unfilled orders nse products, Census	693. Ratio, manufa shipments, defens	cturers' inventories to se products, Census
Year and month	Seasonally adjusted* Moving everage of seasonally adjusted data-5-month*		U.S. Government, aerospace industries, Census, seasonally adjusted*	Seasonally adjusted*	Moving average of seasonally adjusted data-5-month*	Seasonally adjusted*	Moving everage of seasonally adjusted deta-5-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Ratio)	(Ratio)	(Ratio)	(Ratio)
1975							2.9
lanuary February Varch	1,923 1,982 1,989	1,902 1,950 1,965	4,105	14.2 14.0 14.0	14.6 14.3 14.2	2.9 2.8 2.8	2.9
April	2,030 1,901 1,943	1,969 1,954 1,965	4,104	13.9 15.0 14.6	14.3 14.5 14.6	2.8 3.1 3.1	2.9 3.0 3.1
July	1,906 2,043 1,864	1,931 1,967 1,993	4,847	15.2 14.2 15.9	15.0 14.8 14.7	3.3 3.1 3.4	3.2 3.2 3.2
October November	2,079 2,073 1,991	2,010 2,042 2,110	4,283	14.1 14.1 14.7	14.6 14.3 13.7	3.1 3.2 3.3	3.2 3.2 3.1
1976 Jenuary	2,201 2,206 2,187	2,132 2,159 2,206	4,564	12.9 12.9 13.3	13.6 13.4 13.2	2.9 3.0 3.0	3.1 3.0 3.0
April	2,210 2,224 2,047	2,175 2,156 2,156	5,056	1'3.4 13.4 14.8	13.6 13.8 13.8	3.0 3.1 3.3	3.1 3.1 3.1
July	2,111 2,188 2,117	2,137 2,138 2,178	4,528	13.9 13.3 13.8	13.8 13.8 13.6	3.2 3.1 3.2	3.2 3.2 3.1
October November December	2,228 2,244 2,515	2,258 2,350 2,450	4,970	13.4 13.7 12.8	13.4 13.1 12.7	3.1 3.1 2.6	3.0
January February March	2,647 2,615 2,611	2,526 2,577 2,589	5,277	11.9 11.8 11.6	12.4 12.1 12.1	2.5 2.5 2.5	2.6 2.5 2.5
April	2,496 2,578 2,551	2,570 2,563 r2,541	p5,054	12.6 12.5 12.5	12.2 12.3 r12.4	2.6 2.6 2.7	2.6
July	r2,501	p2,527	(NA)	12.1 r12.3 pl2.4	p12.4	2:7 2.8 (NA)	(NA)
October November December							

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 12.)

Defense-Related Balance of Payments Components

		der U.S. military agency ts (exports), BEA!	547, Direct defense expenditures (imports),		ent cash receipts associated sales contracts, BEA ²
Year and quarter	Not seasonally adjusted	Seasonally adjusted*	BEA, not seasonally adjusted*	Not seasonally * adjusted	Sessonally adjusted *
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973					
First quarter	332 504 489 1,017	347 455 531 1,009	1,169 1,231 1,067 1,162	520 544 610 616	566 552 617 555
1974					
First quarter Second quarter Third quarter Fourth quarter	644 738 720 850	638 683 781 850	1,153 1,298 1,265 1,319	497 642 995 808	546 650 990 756
1975					
First quarter	946 888 902 1,183	924 874 957 1,164	1,317 1,185 1,096 1,198	1,050 1,013 1,148 1,376	(AB)
1976					
First querter Second querter Third querter Fourth querter	1,132 1,193 1,403 1,486	1,095 1,189 1,472 1,457	1,160 1,228 1,237 1,222	2,246 1,858 2,041 2,068	
1977					
irst quarter	1,912 pl,854	1,845 pl,867	1,329 pl,403	1,992 pl,885	

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 13.)

^{*}Includes deliveries for which Israel has been released from its contractual liability to pay.

*Excludes funds made available to release Israel from its contractual liability to pay for defense articles and services purchased through military sales contracts. Quarterly expenditures for such purpose under Public Law 93-199 and subsequent legislation amounted to (in millions); 1974, IIQ, \$623; IIIQ, \$223; IVQ, \$91; 1975, IQ, \$187; IIQ, \$124; IIIQ, \$83; IVQ, \$242; 1976, IQ, \$16; IIQ, \$100; IIIQ, \$743; IVQ, \$5; 1977, IQ, \$138; IIQ, \$245.

Appendix A. SEASONAL ADJUSTMENT FACTORS

Series title						19	77					
MONTHLY SERIES	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Defense Department gross obligations incurred:												
617. Total ¹	99.9	88.2 88.4	94.7	94.6 101.5	78.0	135.2 117.8	112.5	108.5	99.8	105.3	92.4	90.0
619. Operations ¹	103.9	99.4	93.4	81.2	89.3 63.1	161.4	116.5 84.7	101.2	96.9	108.2	90.3	90.8
623. Gross obligations incurred outside the Federal Government	110.1	99.4	105.0	01.2	63.1	101.4	04./	02.0	100.7	100.0	111.2	0/.:
for national defense 1	101.3	84.9	99.6	94.1	82.8	126.3	117.7	110.0	96.5	95.2	103.3	90.4
825. Defense Department military prime contract awards for work		0.112		2	00.10	10010		110.0	20.0	2012	100.0	20.
performed in the United States	96.6	82.4	89.3	73.3	70.6	177.9	115.5	107.1	101.4	111.0	86.7	87.4
Defense Department gross unpaid obligations outstanding: ²												
643. Total	101.8	100.0	98.0	96.5	92.4	96.7	100.4	102.7	103.1	104.5	103.1	100.
844. Operations	104.6	98.2	91.9	93.6	87.4	91.7	102.7	106.8	105.6	111.9	104.9	100.
645. Procurement	101.7	101.8	101.4	99.3	96.4	100.0	98.7	98.4	99.6	100.8	101.3	100.
548. Manufacturers' new orders, defense products ³	108.0	93.7	97.3	82.5	65.3	117.1	186.8	94.1	102.5	106.9	83.8	101.
products industries ⁴	1	1	2	4	2	0	2	3	2	2	2	
354. Accession rate, defense products industries ⁶	2	3	2	2	2	.0	.3	.4	.2	.2	4	8
35. Layoff rate, defense products industries4	.1	.1	.2	.1	.0	.0	1	1	1	.0	.0	
657. Output of defense and space equipment ³	100.3	100.3	100.4	99.1	99.6	100.3	98.5	98.2	99.6	100.0	101.0	
59. Manufacturers' inventories, defense products ³	98.5	100.3	101.1	100.7	99.8	100.4	100.1	100.3	100.3	100.3	100.9	100.4
81. Manufacturers' unfilled orders, defense products ³	101.2	100.9	100.6	99.1	96.2	97.4	101.4	101.2	100.9	101.5	100.0	99.9
Employment in defense products industries:												
670. Total	100.5	99.8	99.5	99.4	99.3	99.7	99.2	99.3	100.4	100.6	101.0	100.9
671. Production workers	100.8	99.9	99.5	99.2	99.0	99.6	98.7	98.5	100.4	100.9	101.6	101.7
73. Index of aggregate weekly hours, defense products												
industries	100.3	99.9	99.6	98.5	99.6	99.9	98.3	99.0	100.6	100.6	101.5	102.1
75. Index of aggregate weekly payrolls, production workers, defense products industries	100.9	100.1	99.7	96.6	99.2	99.3	96.2	97.4	100.7	101.4	103.0	105.2
Defense Department net outlays:												
680. Total, military functions and military assistance ¹	92.0	96.3	105.6	99.5	98.1	118.0	87.9	98.5	98.4	97.9	103.0	102.8
681 Operations ¹	96.8	95.8	100.5	100.8	98.5	105.1	98.9	101.9	99.0	97.0	103.3	09.5
682. Procurement ¹	95.6	95.4	109.4	100.2	97.5		88.7	98.3	98.6	100.8	93.2	107.5
83. Budget outlays for the national defense function ¹	91.7	97.6	105.5	99.7	98.9	117.6	84.4	100.5	98.9	97.5	103.1	103.1
85. Defense Department personnel compensation ¹	102.8	97.8	100.6	98.2	99.9	99.0	99.1	101.2	99.1	99.7	101.6	
188. Manufacturers' shipments, defense products ³	87.6	97.6	100.4	98.5	100.5	105.4	94.8	97.4	106.1	101.4	96.3	103.8
QUARTERLY SERIES		10			110			1110			IVQ	
200. Gross national product ³		95.9			99.9			98.9			105.1	
164. Fed. Govt. purchases of goods and services, national defense 3 1646. Transfers under U.S. military agency sales contracts—exports 5		98.3			102.8			97.7 -69			101.4	
Defense Department military prime contract awards:												
626. Aircraft		109.0	- 1		90.1	1		106.3			95.0	
627. Missile and space systems		68.9	- 1		80.7	1		146.2	- 1		105.3	
629. Weapons and ammunition		93.2	- 1		167.3	1		50.5	- 1		88.8	
630. Electronic and communications equipment		90.9	1		121.2	1		93.8	1		94.8	
631. Combat vehicles		52.8			164.5			108.3	- 1		73.6	
632. Other hard goods		90.7	- 1		146.1	- 1		75.1			88.3	
633. Soft goods		93.4 67.5			72.2			146.6			87.4	
635. Services		69.2			197.2	.		67.9			67.5	
636. Under \$10,000		96.7			122.8			84.0			96.6	
637. Educational and nonprofit institutions.		77.6			76.0			149.3			98.2	
640. Outside U.S		71.4			92.3			147.6			89.1	
erospace industries:												
650. Manufacturers' new orders from the U.S. Government		90.5			82.7	1		122.8			104.4	
664. Manufacturers' unfilled orders from the U.S. Government.		101.3	1		96.2			100.3			102.1	
689. Manufacturers' shipments to the U.S. Government		93.8	1		102.6	1		101.0	1		102.6	

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, The X-11 Variant of the Census Method II Seasonal Adjustment Program.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures—imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department personnel (series 677 and 678) contain no measurable seasonal variation.

¹ Factors are products of seasonal and trading-day factors.
² Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

of months but these gaps were filled with averages of preceding and following months for purposes of estimating seasonal variation.

³These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar yeer 1976 and are derived by dividing the seasonally

unadjusted data by the seasonally adjusted data.

4These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the seasonal factors into the unadjusted data.

⁵This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit sessonal factors for the calendar year 1976 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted data.

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY

Part 1. Monthly Series

	Series title	Period	ō	Ci	T	Ē	T/E	MCD	Average of run	
		covered							CI	MCD
Defe	nee Department gross obligations incurred:									
	617. Total	Jan. '57-Jan. '76	18.28	6.98	6.89	0.72	9.53	6	1.53	2.3
	619. Operations	July '59-Jan. '78	8.98	2.77	2.66	. 65	4.09	4	1.69	3.0
	621. Procurement.	Jan. '57-Jan. '76	44.28	22.39	22.27	1.54	14.44	6	1.46	2.0
623.	Gross obligations incurred outside the Federal Government for national	The same of the same of							100	
	defense	July '63-Sept. '75	14.17	7.92	7.82	.73	10.72	6	1.52	2.0
525.	Defense Department military prime contract awards for work performed							6		
2-6-	in the United States, total	Jan. '57-Jan. '76	32.78	15.55	15.41	1.35	11.42	0	1.42	2.
DBIE	643. Total.	Jan. '57-Jan. '76	2.13	1.32	. 95	.88	1.08	2	2.65	3.
	644. Operations	Jan. '57-Jan. '76 Jan. '67-Jan. '76	5.59	2.68	2.37	1.13	2,10	3	1.96	5.1
	845. Procurement.	Jan. 67-Jan. 76	2.19	1.52	1.07	. 94	1.14	2	2.08	4.
Man	ufacturers' new orders:	Jan. 07-Jan. 70	2.17	1.36	1.07	. 34	2.24		2.00	4.
Accept to	647. Defense products industries.	Jan. '57-Mar. '72	(NA)	15.11	14.89	. 97	15.32	6	1.58	2.
	648. Defense products	Feb. '68-Jan. '76	(NA)	21.50	21.43	1.47	14.59	6	1.56	1.
153	Average weekly overtime hours, production workers, defense products	1 40. 00 0011. 70	(aux)	22130	22.40	2141	24.00		2.50	
	industries (hours)	Jan. '58-Jan. '76	.22	.11	.11	. 03	3.14	4	2.50	3.
354.	Accession rate, defense products industries (per 100 employees)	Jan. '58-Jan. '76	.38	.16	.15	.05	3.12	4	2.16	4.
	Layoff rate, defense products industries (per 100 employees)	Jan. '58-Jan. '76	.17	.14	.13	.04	3.14	4	1.93	4.
	Output of defense and space equipment	Jan. '57-Jan. '76	(NA)	.96	.50	.75	.67	1	3.40	3.
Men	ufacturers' inventories:									
	658. Defense products industries	Jan. '57-Mar. '72	(NA)	1.04	.52	.85	.62	1	2.80	2.
	659. Defense products	Jan. '68-Jan. '76	(NA)	1.75	1.13	1.29	.88	1	3.10	3.
Men	ufacturers' unfilled orders:									
	660. Defense products industries	Jan. '57-Mar. '72	(NA)	1.23	.90	. 83	1.09	2	2.76	3.
	661. Defense products	Jan. '68-Jan. '76	(NA)	1.51	1.18	. 93	1.27	2	2.04	4.
Emp	loyment in defense products industries:									
	670. Total	Jan. '58-Jan. '76	.76	.70	.29	.59	.50	1	4.91	4.
	671. Production workers	Jan. '58-Jan. '75	1.08	. 93	.51	.70	.73	1	3.72	3.
	Index of aggregate weekly hours, defense products industries	Jan. '58-Jan. '76	. 95	.76	.39	.60	.65	1	4.00	4.
0/5.	Index of aggregate weekly payrolls, production workers, defense products	- 70 - 70					-			
nes-	industries	Jan. '58-Jan. '76	1.72	1.14	.75	.78	. 96	1	2.92	2.
Dete	677. Military, active duty (1)	Jan. '57-Jan. '76								-
	678. Civilian, direct hire employment (1)	Jan. '57-Jan. '76	.62	(NA)	.27	.55	.48	1	3.86	3.
Tafa	nse Department net outlays:	Jun. 37-Jun. 70	.55	(NA)	.34	.42	. 81	1	4,30	4.
2016	680. Total, military functions and military assistance	Jan. '57-Jan. '76	8.89	4.31	4.19	.77	5.42	6	1.70	3.
	681. Operations	July '59-Jan. '76	7.07	3.62	3.41	.73	4.69	5	1.58	2.
	682. Procurement.	Jan. '57-Jan. '76	15.10	11.77	11.65	1.59	7.32	6	1.57	2.
383.	Budget outlays for the national defense function.	Jan. '57-Jan. '76	8.87	4,27	4.18	.73	5.73	6	1.58	2.
	Defense Department personnel compensation	Jan. '67-Jan. '76	2.70	1.33	1.13	.49	2.32	4	2.57	4.
dani	ifacturers' shipments:									-
	687. Defense products industries	Jan. '57-Mar. '72	(NA)	2.67	2.49	. 87	2.85	3	1,64	3.
	688. Defense products	Jan. '68-Jan. '76	(NA)	4.40	4.34	.98	4.41	5	1.57	2.
latio	, manufacturers' unfilled orders to shipments:			-						
	690. Defense products industries	Jan. '57-Mar. '72	(NA)	2.95	2.71	. 96	2.82	4	1.90	3.1
	691. Defense products	Jan. '68-Jan. '76	(NA)	4.93	4.81	1.01	4.77	5	1.69	2.1
Ratio	, manufacturers' inventories to shipments:									
	692. Defense products industries		(NA)	2.84	2.90	.72	4.01	5	2.46	5.
	693. Defense products	Jan. '68-Jan. '76	(NA)	5.29	5.18	1.13	4.57	5	1.96	3.1

NA = not available.

*Measures for these series are based on actual changes rather than percent changes (see definition below). Windicates measures are based on unadjusted data.

BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 1

The measures in this appendix provide a historical perspective for interpreting current changes in each series. They are derived using the Census X-11 seasonal adjustment program. Brief definitions of the measures are given below; more complete definitions appear in *Electronic Computers and Business Indicators* by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from *Journal of Business*, October 1957).

"O" is the average month-to-month percent change, without regard to sign, in the original unadjusted series. (See final paragraph below for exceptions to these definitions.)

"CI" is the same for the seasonally adjusted series.

" \overline{C} " is the same for the short-term trend, which is a smooth, riexible moving average of the seasonally adjusted series.

"I" is the same for the irregular component, which is obtained by dividing the seasonally adjusted series by the short-term trend.

"I/C" measures the relative smoothness (small values) or irregularity (large values) of the sessonally adjusted series. It is the ratio of the average monthly percent change (without regard to sign) in the irregular component to the average monthly percent change (without regard to sign) in the short-term trend.

"MCD" (months for cyclical dominance) estimates the number of months required for the short-term trend to dominate the irregular component. Average percent changes are computed for spans of from 1 to 12 months for both the irregular component and the short-term trend. MCD is the shortest span of months for which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All ACD's greater than "5" are shown as "6".

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY—Continued

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between two observations, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series (CI) and the MCD curve, which is a moving average (with the number of terms equal to MCD) of the seasonally adjusted series. A comparison of these measures with the expected ADR of a random series indicates whether the changes approximate those of a random series, in a random series, the expected ADR is 1.5 and the actual values fall between 1.36 and 1.75 about 95 percent of the time. For a moving average of a random series, the expected ADR is 2.

Measures for series identified with an asterisk (*) are computed by an additive method. This method is used for series with zero or negative data, series which could approach zero, and series expressed in percent. In this method, the measures are defined the same as above except for two differences: (1) the measures are based on actual month-to-month changes (rather than percent changes) and (2) the irregular component is obtained by subtracting the short-term trend from the seasonally adjusted series. The average changes shown above for the components of such a series are in the same unit of measure as the series itself. The unit is indicated in the series title.

Part 2. Quarterly Series

	Series title	Period covered	ō	Ci	ī	Ē	ī/c	QCD	Average of run	duration (ADR)
		Coveren							CI	QCD
200.	Gross national product	IQ '57-IVQ '75	(NA)	1.84	0.35	1.76	0, 20	1	8.33	8.3
264.	Federal Government purchases of goods and services, national defense	IQ '57-IVQ '75	(NA)	1.95	.79	1.70	.46	1	3.26	3.2
546.	Transfers under U.S. military agency sales contracts-exports (mil. dol.)	IQ '60-IVQ '75	79.21	65.13	48.28	34.19	1.41	2	1.70	2.3
*547.	Direct defense expenditures-imports (mil. dol.) (1)	IQ '60-IVQ '75	42.32	(NA)	36,13	24.65	1.47	2	1.66	2.8
*613.	National defense purchases as a percent of GNP (percent)	IQ '57-IVQ '75	(NA)	.16	. 07	.15	.46	1	5.36	5.3
650.	Manufacturers' new orders from the U.S. Government, aerospace industries	IQ '61-IVQ '75	24.44	17.96	14.82	5.85	2.53	3	1.44	1.7
664.	Manufacturers' unfilled orders from the U.S. Government, aerospece industries	IQ '61-IVQ '75	4.55	3.91	2.44	2.68	. 91	1	2.27	2.2
666.	Defense Department progress payments outstanding @	IQ '57-IVQ '75	4.80	(NA)	2.06	4.35	.47	1	2.78	2.7
689.	Manufacturers' shipments to the U.S. Government, serospace industries	IQ '61-IVQ '75	7.04	4.27	3.43	2.11	1.62	2	1.84	2.7
696.	U.S. Government cash receipts associated with military sales contracts (million dollars).		107.60	83.62	61.48	45.74	1.34	2	1.57	2.8

NA = not available.

BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 2

These measures are defined the same as those in part 1 except that they are based on quarter-to-quarter percent changes. For example, CI is the average quarter-to-quarter percent change (without regard to sign) in the seasonally adjusted series.

In deriving "QCD" (quarters for cyclical dominance), average percent changes are computed for spans of from one to four quarters for the irregular component and the short-term trend. QCD is the shortest span of quarters for

which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All QCD's greater than "3" are shown as "4". The "Average Duration of Run" (ADR) measures are also expressed in quarters.

As in part 1, measures for series identified with an asterisk (*) are computed by an additive method. This method is the same as that used for the monthly series except for the use of quarterly data rather than monthly.

^{*}Measures for these series are based on actual changes rather than percent changes (see definition below). We indicates measures are based on unadjusted data.

Appendix C. HISTORICAL DATA

This appendix provides historical data (back to 1945 if available) for were published for each series. Current figures are shown in the basic selected Defense Indicators series. Data are shown for series which (a) have recently been added to the report, (b) have recently been revised, or (c) have not been shown here for a long time. By keeping these tables, the user can acquire a complete set of historical data. Each time a series is included in this appendix, it is footnoted to indicate the extent of any revisions since it was last shown. See the "Alphabetical Index—Series Finding Guide" for the latest issue in which historical data

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om the data tables each month and may be used to update these historical tables.

Official source agency annual figures are shown if available. Such figures may differ slightly from those computed from the monthly or quarterly data appearing in the tables. When both seasonally adjusted and unadjusted data are shown for a series, annual figures are included only for the unadjusted data. Quarterly and annual data are not included for moving averages.

		Quar	rterly					Quart	erly		
Year	10	11 0	III Q	IV Q	Annual	Year	10	ΠQ	III Q	IVQ	Annual
200. GR	OSS NATIONAL (ANNUAL RATE	PRODUCT IN	CURRENT DOLLA OF DOLLARS)	ARS	AVERAGE	200-9. DIFFI	ERENCE PRON P	PRECEDING PER L RATE, BILL	IOD IN GHP, IOMS OF DOL	CURREMT LARS)	DIPPERENCE
1945 1946 1947 1947 1948 1949 1951 1952 1953 1954 1955 1955 1955 1955 1955 1955 1958 1959	197.4 224.9 249.6 260.1 267.4 319.9 341.1 365.4 365.4 367.5 411.9 438.9 435.8	205.0 229.1 257.1 256.6 276.9 327.7 341.3 360.9 361.8 395.4 417.4 441.0	215.3 233.3 244.0 258.6 294.5 334.4 347.0 367.9 316.2 404.0 422.4 444.2	220.4 243.6 265.5 256.5 305.9 338.5 359.2 362.6 375.0 410.2 430.9 442.8 466.3	209.6 232.8 259.1 258.0 246.2 330.2 347.2 346.1 346.3 399.3 420.7 442.8	1945 1946 1947 1948 1949 1949 1950 1951 1953 1953 1955 1955 1957 1957	4.5 6.0 -5.4 10.9 14.0 6.2 -0.6 6.2 -0.5 1.7 0.7	7.6 4.2 7.5 -3.5 9.5 7.8 0.2 3.4 -0.2 7.9 5.5 2.1	10.3 6.9 2.0 17.6 6.7 -1.0 4.6 9.6 7.2	5.1 10.3 1.5 -2.1 11.4 4.1 12.2 -5.2 8.8 6.2 9.5	23.2 26.3 -1.1 24.2 44.0 37.0 18.9 0.2 33.0 21.4 22.1 6.1
1961 1962 1962 1963 1964 1965 1966 1967 1969 1970 1971 1972 1973 1974 1975 1977	506.6 507.1 553.0 500.2 622.4 665.4 733.7 777.5 837.3 913.0 964.2 1034.0 1127.0 1265.3 1369.0 1453.0 1651.2	489.9 506.5 510.2 562.1 567.9 632.4 678.7 747.6 861.8 929.0 976.5 1056.2 1156.7 1288.4 1400.1 1496.6	486.5 506.2 527.2 567.8 600.5 642.1 695.1 735.0 803.1 808.0 946.9 992.6 1072.4 1317.5 1430.1 1564.9	493.5 540.7 572.3 610.4 646.0 713.3 773.7 816.7 894.7 953.3 996.3 3091.2 2119.4 1355.1 1462.4	486.5 506.0 523.3 563.0 594.7 613.7 618.1 733.0 796.3 986.5 986.5 1063.4 1063.4 1071.1 1306.6 1320.8	1959 1960 1961 1962 1983 1984 1985 1966 1977 1988 1977 1977 1977 1977 1977 1977 1977 1977 1977	9,7 13,1 2,5 12,3 12,3 12,0 12,0 13,0 18,6 18,1 10,9 37,7 35,8 45,9 0,6 58,5	13.9 -0.1 11.1 9.1 7.7 10.0 13.3 13.9 8.3 24.5 16.0 12.3 22.2 29.7 23.1 43.6 40.7	-3.4 -0.3 9.0 3.7 12.6 4.1.4 11.4 11.4 12.17 16.2 17.9 16.3 16.3 24.7 29.1 30.0 68.3 35.4	7.0 -1.6 13.5 4.5 9.9 3.9 18.2 12.7 15.6 14.7 6.4 3.7 18.8 29.0 20.0 21.8 22.8 23.8 23.8 23.8 23.8 23.8 23.8 23	37,6 19,5 17,3 40,5 30,9 41,0 52,4 64,9 43,1 72,2 67,0 46,9 81,0 187,7 135,5 166,3 177,7
64. PEDERAI SATIONAL DES	L GOVERNMENT PENSE (AMNU	PURCHASES OF	F GOODS AND S LLIONS OF DOL	LARS)	AVERAGE	264-B. CHANG SERVICES, HJ	CON DOLLARS	DIPPERENCE			
1945	20.4 9.4 9.8 12.7 12.4 24.0 42.4 49.1 44.3 38.6 38.3 44.5 46.1 43.9	14.4 8.9 10.3 13.4 12.5 30.3 45.6 49.5 41.9 39.1 40.3 43.9 45.4 45.5 43.0	12.0 8.6 10.6 13.6 14.1 37.7 46.9 48.3 39.8 39.8 40.2 44.6 45.9 45.6 44.8	12.3 9.3 12.0 13.1 16.9 42.0 48.5 47.5 38.4 38.0 41.9 44.3 46.5 45.2	14.0 9.0 10.7 13.2 14.0 23.5 45.0 48.6 41.1 38.4 40.2 44.0 45.6 45.6	1945 1946 1947 1949 1950 1951 1952 1953 1954 1956 1956 1959 1959 1950	-2.9 -2.9 0.5 0.7 7.1 0.4 0.6 -3.2 0.2 0.2 0.3 1.4 0.2 0.4	-6.0 -0.5 0.5 0.7 0.1 6.3 3.2 0.4 -0.5 2.4 -0.5 0.9 0.9	-2,4 -0,2 0,3 0,3 0,3 1,6 7,4 1,3 -1,2 -2,1 1,0 0,7 0,7	0.3 0.7 1.4 -0.5 2.8 4.3 1.6 -0.8 -1.4 -1.1,4 -1.1,5 0.6 -0.5	-9.8 1.7 2.5 0.8 19.5 12.3 2.0 -7.5 -2.7 1.8 3.6 1.6 0.0
1961 1962 1963 1964 1965 1966 1969 1969 1971 1971 1972 1973 1974 1975 1975 1976	46.0 50.2 49.0 47.1 55.1 69.4 76.1 73.3 75.8 72.0 74.7 74.1 74.1 74.6 66.3	46.7 51.3 50.5 49.5 48.3 58.4 77.2 73.6 72.9 70.1 74.4 73.1 75.6 83.0 86.0	46.8 51.1 50.2 48.9 49.3 62.7 72.5 76.7 77.1 68.9 71.7 72.5 77.9 84.4	48.5 50.9 50.3 47.9 53.1 65.0 73.3 77.4 77.0 73.3 74.4 86.7 88.4	47.0 51.1 50.3 49.4 60.3 71.5 76.9 76.3 73.5 77.5 77.5 77.5	1961 1962 1963 1964 1966 1967 1968 1970 1971 1972 1974 1974 1976	0,7 2,4 0,7 0,5 0,5 0,8 2,6 4,4 4,4 1,2 0,1,2 0,7 0,8 0,9 0,9 0,9 0,9 0,9 0,9 0,9 0,9 0,9 0,9	0.7 0.4 0.3 -0.3 1.2 2.3 1.0 0.3 -2.9 -1.9 -0.3 -1.0 1.2	0:1 -0:2 -0:3 -0:4 -0:4 -0:5 -0:5 -0:5 -0:2 -1:2 -1:2 -0:4 -0:4	1.7 -0.2 -0.1 -1.0 3.8 2.3 1.0 0.7 -0.1 0.0 1.1 1.6 1.9	2.5 4.1 -0.0 -1.3 0.4 10.9 11.2 5.4 -0.6 -2.6 -3.3 0.0 2.5 4.9

NOTE: These series contain revisions beginning with 1974. Year-to-year differences are computed from annual data.

(OCTOBER 1977)

		Quar	rterly					Quar	terly		
Year	10	11 0	III Q	IV Q	Annual	Year	10	11 0	III Q	IVQ	Annual
46. TRAMSFE (EXPORTS	RS UNDER U.S), NOT SEAS.	. MILITARY A	GENCY SALES LIONS OF DOL	CONTRACTS LARS)	TOTAL	546. TRANSPE (EXPORTS	RS UNDER U.(B. HILITARY A	GENCY SALES	CONTRACTS DLLARS)	
53	***		***		192 182	1953	***	***	***		
955	***	***	***		200	1955	***		***	***	
#30 I			0.00	***	161 375	1956	***	***	000		
57		000	***	***	300	1958	***	***	***		
59	58	122	69	85	302 335	1959	*71	***	*88	86	
160											
62	71	150 228	127	206	402 656	1961	110	112	111	94	
163	166	243	103	145	657	1963	1.67	195	127	148	
164	198	187	162	201	747	1904	207	151	192	198	
66	200	225 257	194	211	830	1965	196	214	203	216	
67	328	287	208	328	1,152	1967	329	239	242	341	
966	299	415	339	340	1,392	1968	302 412	343 327	392 452	356 337	
969	395 268	380 497	415 313	338 433	1,520	1969	201	435	357	428	
971	494	577	433	432	1.926	1971	507	506	494	419	
972	316	321	227 489	1,017	1,163	1972	332 347	281 455	255 531	1,009	
973	644	504 738	720	850	2,952	1974	638	683	781	850	
975	1,132	1,193	1,403	1,183	3,919 5,213	1975	1,095	1,189	957 1,472	1,164	
976	1,134	1,193	2,403	2,400	3,413	1977	1,093	2,209	2,410	2,431	
547.	DIRECT DEFE	MSE EXPENDIT	TURES (IMPORT	(8)	TOTAL	613. MATIONA	L DEFENSE PO	URCHASES AS	PERCENT OF	GROSS	AVERAGE ¹
45	***	***			493	1945	10.3	7:0	112	::2	411
47	***	***	***		455	1945	4.2	3.9	3.7	3.6	7.1
48	***	***	***	***	799	# 1948 I	3.9	4.0	4.0	4.5	4.1
49	***		* * *	***	621 576	1949	4.9	5.2	5.3	5.1	5.1
50	***	***	***		1.270	1951	7.5	9.2	11.3	12.4	10.1
	***		0.00	400	2,054	1952	12.4	13.4	13.5	13.5	13.2
54	***	***		***	2,642	1954	12.2	11.6	10.9	10.2	11.2
255				***	2,901	1955	10.0	9.6	9.7	9.3	9.6
57	***	***	***	***	3,216	1956	9.3	9.7	9.5	10.0	9.6
50	***	***	***		3,435	1958	10.2	10.3	10.1	10.0	10.2
959	781	769	801	737	3,107	1959	8.7	9.3	9.4	9.1	9.4
61	786	781	705	727	2,990	1961	9.1	9.0	0.9	9.0	9.0
962	770	763 748	761	810 725	3,105		9.2	9.1	9.0	8.9	9.1
164	763 747	737	726 699	697	2,961	1963	8.0	7.8	7.6	7.4	7.7
	676	719	763	794	2,952 3,764	1965	7.1	7.1	7.1	7.4	7.2
967	1,085	925	1,106	3,112	4,378	1967	7.5	7.8	9.0	9.4	9.0
68	1,103	1,075	1,147	1,173	4,535	1960	9.1	9.0	8.7	8.7-	8.9
169	1,198	1,187	1,221	1,251	4,856	1969	7.9	0.1 7.3	7.3	7.3	8.2 7.5
970	1,178	1,206	1,203	1.236	4.819	1970	7.0	6.6	6.4	6.4	6.6
	1,222	1,272	1,105	1,185	4,784	1972	6.6	6.4	6.1	6.0	6.3
974	1,169	1,231	1,067	1,162	4,629 5,035	1973	5.9	5.7	5.5	5.5	5.4
975	1.317	1,206 1,272 1,231 1,298 1,185 1,228	1,096	1.198	4,795	1975	5.6	5.5	5.4	5.4	5.5
976	1,160	1,228	1,237	1,222	4,847	1976	5.2	5.1	5.0	5.0	5.1
96. U.S. GO	WT. CASH REC	EIPTS ASSOCI	ATED WITH MI	LITARY	TOTAL		OVT. CASH RE	CEIPTS ASSOC	TATED WITH M	ILITARY DOLLARS)	-
960	248	63	66	112	509	1960	255	82	112	60	
061	58	.95	02	105	340	1961	.58	103	140	39	
963	124	113 233	125 136	317	679 995	1962	231	131 266	194 216	235 282	
164	361	116	152	358	987	1964	344	149	233	261	
165	242	341	175	328	1,096	1965	226 247	371 149	259 253	230 278	
67	258 347	125 397	112	371	1,023	1967	343	418	195	67	
060	185	274	142	365	966	1968	213	291	229	243	
70	235	318 207	299 182	591 265	1,443	1969	268 260	318 202	389 258	468 141	
971	204	270	214	358	1.046	1971	264	263	275	244	
72	237	374	325	456	1,392	1972	278	374	357 617	303	
974	520 497	544	610 995	816	2,290	1973	546 546	552 550	990	756	
75	1,050	1,013	1,148	1,376	4,597 9,213	1975			220		
76	2,246	1,858	2,041	2,068							

NOTE: Unless otherwise noted, these series contain revisions beginning with 1975. This series contains revisions beginning with 1974. Annual (OCTOBER 1977) figures are computed from annual data for series 200 and 264.

		Quar	rterly				1.	Quar	terly		
Year	10	110	III Q	IVQ	Annual	Year	10	110	111 0	IVQ	Annual
650. MANUFAC AEROSPACE II	TURERS' NEW	ORDERS FROM	THE U.S. GOV	ERNMENT, DOLLARS)	TOTAL	664. MANUPA AEROSPACE I	CTURERS' UMF	LLED ORDERS	PROM THE U.	GOVERNMENT	END OF PERIOD
1992 1993 1993 1994 1995 1995 1995 1995 1996 1996 1996 1996 1996 1996 1996 1996 1996 1996 1996 1996 1997 1999 1999 1999 1999 1999 1991 1999 1991 1972	2,639 3,192 1,529 1,529 1,555 2,803 2,322 2,851 2,201 2,973 2,208 4,064 3,657 3,052 4,138 4,058 4,058 4,058 4,027 4,079	2,172 2,717 1,334 2,099 3,265 1,611 2,393 3,189 2,718 2,638 2,859 3,492 3,492 3,452 3,452 4,555 2,734 4,203 3,548 4,203 3,548 4,203 3,548 4,203 3,548 4,369	3,399 1,468 1,6685 2,197 3,942 1,211 2,378 2,214 3,328 3,741 3,741 3,906 4,560 3,290 3,936 3,843 3,453	3,175 595 1,717 3,168 2,380 2,605 2,529 2,608 2,471 3,030 3,341 2,750 4,344 3,662 5,352 3,348 3,636 3,636 3,730 3,730	11,385 7,972 4,205 9,205 12,390 12,390 10,151 10,151 10,218 11,490 11,955 14,047 13,525 14,047 13,525 14,697 16,632 16,632 14,695 16,632 14,695 15,151 14,695	1952 1953 1953 1954 1955 1957 1958 1959 1960 1961 1962 1964 1965 1966 1967 1969 1969 1972 1971	13,791 18,592 16,107 14,036 18,179 17,636 12,342 12,051 11,673 10,579 10,926 11,967 11,961 12,942 11,961 12,942 11,961 11,961 12,941 12,991 14,901 12,991 14,901	14,379 19,001 15,371 13,948 17,209 16,304 17,209 13,695 12,062 11,955 11,450 10,379 11,148 11,992 11,941 16,288 16,026 15,298 13,277 12,431 15,233	16,980 18,386 13,093 14,153 18,757 14,771 13,356 12,342 12,756 11,127 10,464 11,568 12,593 12,593 14,658 17,227 16,703 13,128 13,013 14,019	17,444 36,554 14,661 15,503 18,997 14,359 13,034 12,421 11,018 16,588 15,588 11,628 11	17,444 16,554 14,661 13,661 13,661 14,159 14,159 12,036 12,421 11,016 13,421 11,605 13,628 11,629 13,628 11,629 13,628 11,629 13,628 11,629 13,628 11,629 13,628 11,629 13,628 11,629 13,628 13,628 14,628 15,648 17,629 15,948 17,629 15,948 17,629 15,948 17,629 15,948 17,629 15,948 17,629 15,948 17,629 15,948 17,629 15,106
	4,068 4,705 4,415 5,426 DEPARTMENT SOMALLY ADJUS		3,568 5,709 4,783 3,818 THENTS OUTSTA		15,922 19,114 18,337 21,179	1973 1974 1975 1976 1977	15,533 17,376 20,907 22,590 CTURERS' SMII	16,084 16,847 21,230 22,883 PMENTS TO THE EASONALLY ADS	15,964 19,002 20,906 22,020 ED.S. GOVER	16,448 20,662 21,776 21,666 HRENT, B DOLLARS)	16,449 20,662 21,776 21,666
1952 1953 1954 1955 1957 1958 1959	4,547 4,283 4,221 3,916 3,625 2,626 2,343	4,347 4,265 4,470 4,046 3,297 2,201 2,358	4,207 4,192 3,889 4,072 2,861 2,257 2,335	4,438 4,055 3,817 3,996 2,641 2,189 2,462	4,438 4,055 3,817 3,898 2,441 3,189 2,462	1952 1953 1954 1955 1956 1959 1959	1,350 2,104 2,097 2,231 2,023 2,799 3,008 2,698 2,698	1,491 3,131 3,106 2,134 2,190 2,965 2,929 2,793 2,808	1,647 2,164 2,049 2,093 2,093 3,005 2,065 2,065 2,632	1,969 2,111 2,049 2,012 2,863 2,978 2,793 2,962 2,683	5,477 8,510 8,301 8,469 9,455 11,747 11,477 11,244 11,003
1961 1962 1963 1964 1965 1966 1967 1968 1969 1971 1971 1972 1973 1975 1976 1977	2,534 '2,441 3,115 3,347 3,297 4,402 5,901 7,681 9,165 9,821 9,313 7,297 6,942 7,781 9,609 9,848	2,529 2,361 3,303 3,239 3,545 4,346 6,765 8,237 9,463 7,023 7,024 8,104 19,464 12,041	2,391 2,554 3,226 3,243 2,939 4,750 7,179 8,193 9,512 9,771 7,669 6,866 7,139 8,531 11,008	2,344 2,823 3,308 3,207 3,934 5,461 7,491 8,554 9,782 7,181 6,668 7,385 9,166 11,257 8,465	2,344 2,833 3,207 3,934 5,461 7,491 8,534 9,782 9,384 7,181 6,685 9,125 1,257 1,257	1961 1962 1963 1964 1965 1965 1969 1970 1971 1972 1973 1974 1975 1975 1975 1976 1977	3,844 3,136 3,245 3,216 3,095 3,418 3,036 4,128 4,134 4,095 3,465 3,299 3,299 3,299 3,399 4,105 4,364	2,987 3,053 3,191 3,349 3,063 3,532 4,044 4,140 4,175 4,027 3,225 3,607 3,780 4,104 5,056	2,966 3,151 3,495 3,126 3,079 3,810 4,130 4,130 4,205 3,404 3,767 3,612 3,834 4,827 4,528	2,963 3,211 3,270 3,119 5,285 2,749 4,185 4,212 3,940 3,128 3,275 3,611 3,888 4,223 4,970	11,760 12,551 13,201 12,010 12,522 14,509 16,300 16,592 16,415 14,224 13,565 14,429 15,198 17,339 19,118

MOTE: These series contain no revisions but are reprinted for the convenience of the user. *Data prior to 1961 include orders from non-Government customers. *Data prior to 1961 include stipments to non-Government customers.

(OCTOBER 1977)

Year		Monthly													rterly		
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	10	ΠQ	III Q	IVQ	Annua
653. AVER	AGE WEEKL	Y OVERTI	HE BOURS	, PRODUCT	FION WORK	ERS, DEP	ENSE PROC	OUCTS IND	USTRIES,	NOT SEAS	OHALLY I	DJUSTED		AVER	AGE POR P	ERIOD	
1956 1959 1960	1.6 2.2 2.4	1.5 2.6 2.3	1.5 2.0 2.2	1.4 2.0 1.6	. 2.2 2.1	1.6 2.3 2.2	1.8 2.2 1.9	2.0 2.2 2.3	2.3 2.4 2.4	2.4 2.3 2.5	2.2 2.2 2.5	2,3 2,4 2,6	1.5 2.1 2.3	1.5 2.2 2.0	2.0 2.3 2.2	2.3 2.3 2.6	1.8 2.3 2.3
1961 1962 1963 1964 1965 1966 1967 1970 1971 1972 1973 1974 1976	2.3 2.6 2.6 2.5 4.7 4.0 3.1 2.4 2.3 2.4 2.9 2.4 2.5	2.3 2.5 2.1 2.3 4.3 3.7 2.0 2.5 2.7 2.4 2.5	2.00 4 3 8 2 2 2 2 4 3 3 3 3 2 2 2 2 2 2 2 2 2 2 2	2.0 2.5 1.7 2.0 1.8 4.0 3.6 2.5 2.8 2.5 2.8 2.5 2.8 2.5 2.1 2.7	1.8 2.5 2.1 2.5 4.4 3.7 3.3 2.9 2.5 1.9 2.4 2.9 2.4 2.9	9432834517288055	1.9 2.3 2.2 2.1 2.8 4.1 3.7 3.3 3.0 2.3 2.7 2.7 2.7 2.7	2.1 2.5 2.4 2.3 3.4 4.9 3.2 2.5 2.4 2.7 2.8 2.6 2.7	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2.4 2.8 2.5 3.7 4.3 3.9 3.4 3.2 2.6 3.0 3.2 2.8 2.7 2.8	2.8 2.4 4.3 4.5 3.5 3.6 2.6 3.1 3.6 2.9 2.7	3.0 2.5 4.5 4.3 3.8 3.8 2.9 3.3 7 2.9 3.3	2.2 2.7 2.4 2.4 4.4 3.9 3.6 3.1 2.5 2.9 2.8 2.4 2.5	1.9 2.5 2.0 2.4 4.2 3.6 3.1 2.9 2.6 2.6 2.6 2.6 2.2	2.2 2.6 2.3 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	2.7 2.9 2.57 4.4 4.1 3.6 2.6 2.7 3.5 2.6 2.9	2.3 2.6 2.3 3.0 4.3 3.9 3.4 2.6 2.3 2.3 2.6 2.3 2.5
653. AVERA	GE WEEKL	A CARMAI	ME HOURS	PRODUCT	ION WORK	ERS, DEF	ENSE PROD	OCTS IND	USTRIES,	SEASONAL	LY ADJUS	TED		AVER	AGE POR PI	EREOD	
1958 1959 1960	.1.5 2.1 2.3	1.5 2.0 2.3	1.6 2.1 2.3	1.6 2.2 1.8	1.7 2.4 2.3	1.7 2.4 2.3	2.0 2.4 2.1	2.0 2.2 2.4	3.1 2.2 2.2	2.2 2.1 2.3	2.1 2.1 2.3	2.0 2.1 2.4	1.5 2.1 2.3	1.7 2.3 2.1	2.0 2.3 2.2	2.1 2.1 2.3	
1961 1962 1963 1964 1966 1966 1969 1970 1973 1973 1973	2.7514698145.6	2.551440 2.6440 4.403 2.243 2.4440 2.243 2	2,2 2,3 2,5 4,0 3,5 2,2 2,6 3,5 2,2 2,6 3,5	2.2 2.7 2.3 4.4 4.0 2.9 2.1 2.1 2.4 2.0	2.869528272136	2.0 2.5 2.3 2.9 4.5 3.6 2.2 8.3 2.8 3.7 2.8 3.0 4.5	2.2 2.6 2.5 3.0 4.3 3.5 3.5 3.2 2.6 2.3 2.7	2.543449425478867	2.3 2.7 2.4 2.3 3.3 4.2 3.9 3.3 2.1 2.3 2.9 3.1 2.3 2.9	2.2 2.6 2.3 3.5 4.8 3.3 3.1 2.4 2.5 2.9 3.7 2.7	2.6 2.1 2.3 4.0 4.2 3.3 2.3 2.3 2.3 2.3 2.5	2.6 2.4 4.1 3.7 3.3 2.4 2.9 2.9 2.9 2.9	2.7 2.4 2.4 4.5 3.7 2.6 3.9 2.6 3.9 2.5	2.1 2.7 2.3 2.6 4.5 3.2 2.8 3.2 2.8 2.8 2.8 2.4 2.4	2.6632233.3343.38322.33.6856	2.492.832.492.657	
	653. A	FERAGE W	EERLY OVE	RTIME BO	URS, PRO	DUCTION S	OREERS,	DEFENSE	PRODUCTS (NOURS)	INDUSTRI	ES,						
1950 1959 1960	2.0 2.2	2.0 3.2	1.5 2.1 2.2	1.6 2.2 2.2	1.6 2.3 2.2	1.7 2.3 2.1	1.0 2.3 2.3	1.9 2.3 2.2	2.1 2.2 2.2	2.1 2.1 2.3	2.1 2.1 2.3	2.1 2.1 2.3					
1961 1962 1963 1964 1965 1967 1969 1971 1971 1972 1973 1975 1976 1976	2.651438822249166	3.3 2.7 3.5 2.4 4.4 3.9 3.7 3.2 2.5 3.0 2.5	2.2 2.7 2.3 2.1 2.3 4.5 4.0 3.5 3.2 3.0 2.6 3.0 2.6 3.0 2.5 2.5	27324.504.28171844.4	2 2 2 2 5 8 4 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	2.1 2.6 2.3 2.7 4.6 3.8 3.6 3.2 2.8 2.9 2.9 2.4	2.6.304.485.2637.904.6	3 . 2 . 3 . 3 . 4 . 3 . 3 . 4 . 3 . 2 . 5 . 2 . 9 . 2 . 6	2.2 2.6 2.4 2.3 3.3 4.3 3.9 3.1 2.4 2.0 3.0 2.6 2.6	2.6 2.3 3.2 2.4 8 3.7 6 6 2 2.6	4623718323492556	2.5 2.1 2.4 4.0 4.0 3.2 3.2 3.2 2.4 2.4 2.6 2.7					

NOTE: These series contain no revisions but are reprinted for the convenience of the user

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						Mor	nthly							Qua	rterly		
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	10	11 0	III Q	IV Q	Annual
	65	4. ACCES	SION RAT	E, DEPENS	E PRODUC	TS INDUS	TRIES, NO	OT SEASON	MALLY ADJ	USTED				AVER	AGE POR P	ERIOD	
1958 1959 1960	1.9 2.9 2.5	2.2 2.7 2.5	2.4 2.7 2.2	2.3 2.5 2.0	2.4 2.5 2.1	3.5 4.0 3.3	2.7 3.1 2.6	2.9 3.0 3.3	3.3 3.0 3.3	2.9 2.6 3.2	2.3 2.2 2.5	2.1 2.0 2.1	2.2 2.8 2.4	2.7 3.0 2.5	3.0 3.0 3.1	2.4 2.3 2.6	2.6 2.8 2.6
1961 1962 1963 1964 1965 1966 1997 1972 1972 1973 1975 1975 1976	2.6 3.3 2.7 2.0 2.2 4.1 3.2 2.3 1.8 1.7 1.6 2.5 2.1	2.4 3.1 2.3 3.8 3.8 3.5 2.1 1.3 1.7 2.0 1.8 1.3	2.12.69847590935	2.3 2.9 2.4 3.5 2.4 2.1 1.6 1.5 1.8 2.0 2.1	2.5 2.9 2.4 2.6 3.0 2.9 2.4 2.0 1.7 2.2 2.2 1.3 1.6	3.4 3.9 3.8 5.4 4.6 3.7 3.5 2.3 2.9 2.9 2.9	2.6 3.4 2.2 3.3 4.1 2.8 2.8 1.9 2.5 2.6 1.6	3.1 2.5 3.8 4.3 3.7 2.7 2.7 2.1 2.6 2.6 2.6	3.3 2.8 2.6 3.5 3.6 3.0 3.1 1.9 2.5 2.4 2.6	3.5	3.1 2.4 1.9 2.9 3.5 3.3 7 2.0 1.7 1.6 1.9 2.0 1.3	2.6 2.0 1.7 1.8 3.1 2.4 2.1 1.7 1.5 1.1 1.2 1.4 1.3 0.9 0.8	2.4 2.3 2.0 2.4 3.1 2.5 3.1 2.5 3.1 3.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	2.7 3.2 2.5 2.9 4.3 3.5 2.8 2.5 1.9 2.5 1.0 3.2 2.4	3 - 0 3 - 2 2 - 6 3 - 6 4 - 2 3 - 6 2 - 8 2 - 6 1 - 8 2 - 4 2 - 5 1 - 6 1 - 6 1 - 6	3.1 2.5 2.1 3.4 2.0 2.1 1.9 1.4 1.5 1.9 1.9	2.0 2.2 3.1 3.2 2.3 2.5 2.7 1.7 2.2 2.1 4.3 7.1 2.2 2.1
	65	4. ACCES	SION RAT	E, DEPENS	PER 10	TS INDUS	TRIES, SE	ASONALLY	ADJUSTE	D				AVER	AGE FOR P	ERIOD	
1959 1959	1.9 2.9 2.5	2.4 2.9 2.7	2.6 2.9 2.4	2.7 2.9 2.4	2.7 2.8 2.4	2.7 3.2 2.5	2.7 3.1 2.5	2.6 2.7 3.0	2.0 2.5 2.0	2.5 2.2 2.8	2.6 2.5 2.8	2.7 2.6 2.7	2.3 2.9 2.5	2.7 3.0 2.4	2.7 2.8 2.8	2.6 2.4 2.8	
1961 1962 1963 1964 1965 1965 1967 1969 1970 1971 1972 1973 1974 1975 1976	2.6 3.4 2.8 2.1 4.3 3.4 4.3 3.9 2.4 1.9 2.5 1.6 1.4	3.6 3.3 2.1 2.1 2.5 4.1 3.4 2.8 2.8 2.8 2.1 1.6 1.6	232432167	3.2 2.5 2.7 3.0 2.7 3.0 2.3 1.0 2.3 1.0 2.2 2.1	2.8 3.2 2.4 2.1 2.9 4.1 3.2 2.2 1.7 2.2 2.2 2.2 1.3	2.6 3.2 2.3 2.0 3.0 4.4 3.6 2.7 2.4 1.6 1.7 2.2 1.0	2.5 3.5 2.0 3.9 3.6 2.2 1.6 2.2 2.3 1.3	2 .8 2 .2 2 .2 3 .5 3 .9 3 .6 2 .0 1 .7 2 .2 2 .2 2 .2 1 .6	2.8 2.4 2.2 3.8 3.6 2.8 1.4 6 2.2 1.5	2.77 2.3 2.3 4.1 2.5 2.3 2.1 2.3 2.3 2.1 2.3 2.3 2.1 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	3.6 2.2 3.8 3.6 3.0 1.7 2.0 1.7 2.1 1.3 2.1 1.3	3.2 2.6 2.3 2.4 3.7 3.1 2.0 2.4 2.2 1.9 2.1 2.1	2.5 2.1 2.5 4.5 4.2 2.8 2.9 2.0 2.0 2.1 2.6 1.6	2.7 3.2 2.4 2.1 3.9 4.1 3.7 3.7 3.7 1.7 2.0 2.2 2.2 2.2 1.5	2.7 2.4 3.9 3.9 3.5 1.5 1.5 2.2 2.2 1.5	3.2 2.6 2.3 3.6 3.6 3.0 2.4 2.1 1.7 1.8 2.2 2.2 1.7	
	ACCESSION	RATE, D	EPENSE P	RODUCTS 1	NDUSTRIE (PER 10	S, 4-MON 0 EMPLOY	TH MOVIES	AVERAGI	OF SEAS	ONALLY A	JUSTED	DATA					
1958 1959 1960	2.8	2.9	2,6 2,9 2,5	2.6 2.9 2.5	2.7 3.0 2.4	2.7 3.0 2.5	2.7 3.6 2.6	2.7	2.7 2.6 2.8	2.6 2.5 2.9	2.7 2.5 2.8	2.7 2.5 2.7					
1961 1962 1963 1966 1966 1968 1968 1969 1971 1973 1974 1975 1975	2.7 3.3 2.6 2.2 4.0 3.4 2.0 2.0 2.0 2.3 2.3 2.3 2.5	2.6 3.3 2.5 2.2 2.5 4.1 3.3 2.8 2.4 2.0 2.7 2.0 2.3 1.6	23.522.6.138.4978.3275	2.63	2.6 3.2 2.4 2.1 3.3 2.6 4.1 3.3 2.6 2.4 1.8 2.0 2.2 2.2 2.2	2.6 3.2 2.4 2.1 3.3 3.3 1.7 2.0 2.2 1.4	2.71 2.4 2.11 3.4 2.3 1.6 2.2 2.2 2.2 1.5	2.7 8.4 2.1 3.2 4.0 3.4 2.6 3.4 1.5 1.5 2.2 2.2 1.5	24.4139355922125	3.772.32.353.993.242.222.222.222.222.222.222.222.222.22	3.17 2.33 3.57 3.60 2.22 8.67 2.22 8.67	3.3 2.7 2.2 2.3 3.6 3.6 3.4 2.1 1.7 2.3 2.2 1.7 2.3 2.7					
	65	5. LAYOF	F RATE,	DEPENSE I	RODUCTS (PER 10	INDUSTRI 0 EMPLOY	ES, NOT S	BEASONALI	Y ADJUST	ED				AVE	MAGE FOR F	ERIOD	
1959 1959 1960	2.4 1.6 1.5	1.9 1.0 1.3	1.0 1.2 1.5	1.8 1.8 1.7	1.7 1.0 1.3	1.4 0.8 1.3	1.0 1.1 1.3	0.9 0.9 1.0	1.0 1.1 1.1	1.1 1.2 1.3	0.8 1.3 1.0	1.2 1.2 1.1	2.0 1.3 1.4	1.6 0.9 1.4	1.0 1.0 1.1	1.0 1.2 1.1	1.4 1.1 1.3
1961 1962 1963 1964 1965 1966 1967 1970 1973 1973 1975 1977	1.2 1.0 1.5 1.9 1.3 0.6 0.7 1.0 2.2 2.4 1.2 0.7	1.4 1.0 1.2 1.6 1.0 0.3 0.4 0.7 0.6 2.0 2.1 1.2 0.6 0.6	1.3 1.5 0.3 0.7 0.8 2.7 2.7 0.6 1.0 0.7	1.2 0.9 1.2 1.4 0.6 0.7 2.1 2.4 0.6 0.6 0.7	1.3 0.7 1.1 1.5 0.7 0.4 0.6 0.6 1.7 1.4 0.7 0.5 0.5	1.1 0.9 1.2 1.5 0.5 0.7 1.7 1.7 0.5 0.5	0.9 0.9 1.37 0.5 0.5 0.6 1.5 1.6 0.6	0.7 0.8 0.8 1.1 0.5 0.5 0.5 0.6 1.0 2.0 1.1 0.5	0.8 0.7 0.9 0.5 0.4 0.7 1.8 0.4 0.5 0.4	0.6 0.7 1.0 1.1 0.4 0.4 0.7 1.0 2.1 1.4 0.6 0.6	0.7 0.9 1.1 0.0 0.4 0.3 0.6 0.7 1.2 2.3 1.3 0.6 0.7	0.7 0.7 1.2 0.9 0.3 0.5 0.6 1.2 1.8 1.0 0.5 0.5	1.3 1.0 1.4 1.7 1.1 0.1 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	1,2 0,8 1,2 1,5 0,7 0,6 0,5 0,6 0,7 1,0 1,7 0,5	0.8 0.9 10.6 0.4 0.6 0.9 1.1 0.5 0.5 0.9 1.1 0.5	0.7 0.0 1.1 0.9 0.4 0.5 0.7 1.1 1.2 0.6 0.6	1.0 0.8 1.1 1.3 0.7 0.5 0.5 0.6 0.9 2.0 0.6 0.6 0.6

-						Mor	nthly							Qua	rterly		
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	10	11 0	III Q	IV Q	Annual
		655.	LAYOFF R	ATE, DEPE	NSE PROD (PER 1	UCTS IND	USTRIES,	SEASONAL	LY ADJUS	TED				AVI	RAGE POR	PERIOD	
1958 1959 1960	2.1 1.3 1.2	1.9 0.9 1.2	1.6 1.0 1.3	1.7 0.9 1.6	1.6 1.0 1.3	1.4 0.0 1.3	1.0 1.1 1.3	1.2 1.2 1.2	1.1 1.2 1.2	1.2 1.3 1.3	0.9 1.4 1.1	1.2 1.2 1.2	1.9 1.1 1.2	1.6 0.9 1.4	1.1 1.2 1.2	1.1 1.3 1.2	
1961 1962 1963 1964 1965 1967 1969 1970 1971 1973 1973 1975 1975 1975	0.9 0.7 1.2 1.6 1.0 0.2 0.4 0.7 1.9 2.1 0.9 0.5 0.4	1.3 0.8 1.0 0.9 0.2 0.3 0.6 0.6 1.8 1.9 1.0 0.4 0.5 1.2	1.1 9.7 1.4 0.8 0.2 0.5 0.5 0.5 2.0 0.8 0.4 1.9	1.1 0.8 1.1 1.3 0.7 0.4 0.6 0.5 0.6 2.0 2.3 0.5 0.5	1.3 8.7 1.15 0.7 0.4 0.7 0.7 1.6 0.6 1.3	1.1 0.8 1.2 1.5 0.6 0.9 1.4 0.6 0.6 0.9	0.9 0.9 1.0 1.3 0.7 0.5 0.6 0.9 1.7 1.3 0.8	0.9 1.0 1.3 0.6 0.4 0.7 1.1 2.1 2.1 0.6 0.6 0.6	1.0 0.9 1.1 1.6 0.4 0.5 0.8 1.1 1.3 0.7 0.6 1.2	0.7 0.8 1.1 1.2 0.5 0.5 0.9 0.8 1.9 2.1 1.4 0.5 0.6 0.7	0.8 1.0 1.2 0.9 0.5 0.4 0.7 0.7 1.2 2.2 2.2 0.5 0.6 0.7	0.8 0.8 1.3 1.0 0.5 0.4 0.6 0.7 1.3 1.9 1.1 0.6 8.6 0.6	1.1 0.7 1.2 0.9 0.2 0.4 0.5 0.6 2.1 2.0 0.9 0.9	1.2 0.8 1.1 1.4 9.7 9.4 0.5 0.6 0.7 1.9 0.8 0.6	0.9 0.9 1.0 0.6 0.4 0.5 0.7 1.9 1.3 0.6 0.6 0.5	0.8 0.9 1.2 1.0 0.5 0.4 0.6 0.7 1.2 2.1 1.2 0.5 0.6	
655.	LAYOFF R	ATE, DEP	ENSE PRO	DUCTS IND	USTRIES, (PER 1	4-MONTH 00 EMPLO	MOVING A	VERAGE O	F SEASON	ALLY ADJU	STED DAT	A			•		
1958 1959 1960	1.1 1.3	i.i 1.3	1.0 1.0 1.3	1.7 1.0 1.4	1.6 0.9 1.4	1.4 1.0 1.4	1.3 1.0 1.3	1.2 1.1 1.3	1.1 1.2 1.3	1.1 1.3 1.2	1.1 1.3 1.2	1.3					
1961 1962 1963 1964 1965 1966 1967 1968 1970 1971 1972 1973 1975 1975	1.1 0.8 1.0 0.4 0.6 0.7 1.5 2.0 1.0 0.5 0.5	1.1 0.8 1.1 1.5 0.3 0.3 0.5 0.6 2.0 0.5 0.5	1.1 0.8 1.2 1.5 0.9 0.3 0.5 0.5 0.5 0.9 2.1 0.9	1.2 1.3 1.3 0.3 0.6 0.6 2.9 0.5 1.4 0.5	1.2 1.5 1.5 0.6 0.6 0.5 1.8 0.5 1.5 0.6	1.1 0.8 1.1 1.4 0.6 0.6 0.6 0.8 1.6 0.8	1.1 0.9 1.1 1.4 0.6 0.9 1.9 1.4 0.7	1.0 0.9 1.1 1.3 0.4 0.7 1.0 1.9 0.7 1.0 0.6 0.6	0.9 0.9 1.1 0.6 0.5 0.7 1.9 1.3 0.6 0.6 0.6	0.9 1.1 1.1 0.6 0.4 0.7 1.1 2.1 2.3 0.6 0.6	0.9 0.9 1.2 1.1 0.5 0.4 0.6 0.7 1.1 2.0 0.6 0.7 0.9	0.8 1.0 1.3 1.9 0.4 8.4 0.5 0.7 1.3 1.1 0.5 0.8 0.8					
		657.	OUTPUT OF	DEFENSE	AND SPAC	E EQUIP	MENT, SEAS	SOWALLY	ADJUSTED 1					AVE	RAGE POR	PERIOD	
1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960	9.9 10.1 11.1 21.7 43.6 58.0 48.5 51.9 47.6 53.6 53.6	9.8 10.5 12.1 11.1 25.0 44.2 55.0 57.6 50.4 48.1 52.2 47.9 52.7 55.0	9.6 10.7 12.1 11.2 28.4 44.3 36.6 56.8 50.1 47.1 52.1 48.9 55.3	9.6 11.0 11.5 31.2 44.6 55.8 50.0 47.4 52.3 49.7 53.2 54.9	9.5 10.7 12.0 11.9 32.2 46.3 58.6 55.0 47.5 51.2 53.7 55.3	9.4 11.1 12.3 33.9 47.7 58.9 47.5 51.8 51.6 53.8 54.1	9.4 11.3 12.9 35.9 47.9 49.5 47.5 47.5 51.2 51.2 51.7 54.0	9.3 11.6 11.9 14.2 37.1 48.8 59.0 52.8 49.1 48.1 51.3 52.2 53.7 55.3	9.3 11.8 11.6 15.6 28.2 49.5 59.0 52.3 49.2 49.5 50.2 52.5 54.0 55.6	9.6 12.1 11.3 39.9 51.2 58.4 51.0 49.8 49.0 52.5 53.9 55.1	9.8 12.3 11.2 18.0 42.1 52.2 54.5 49.0 50.6 47.4 53.9 53.9 55.3	10.0 12.3 11.2 19.5 43.0 53.8 55.0 7 49.1 51.7 47.0 53.0 54.3 54.4	9.8 10.4 12.1 11.1 25.0 44.1 35.7 57.5 50.3 47.9 52.9 52.9	9.3 10.9 12.0 11.9 32.4 46.3 58.4 47.5 51.9 30.5 53.6 34.8	9.3 11.6 11.8 14.2 17.1 48.7 59.1 53.0 49.3 48.0 50.9 52.1 53.9 55.6	9.8 12.2 11.2 18.1 41.7 52.4 56.0 51.3 49.0 50.7 47.8 52.8 54.0 54.9	9.6 11.3 11.8 23.6 34.0 47.9 57.3 54.2 49.7 48.5 50.9 53.7
1962 1963 1964 1965 1966 1969 1970 1971 1972 1974 1975 1977	00.9 71.0 69.0 69.6 81.1 96.8 106.5 107.1 82.0 78.2 81.0 81.9 82.1	61.9 70.5 68.4 70.4 82.3 97.2 108.4 106.3 95.5 79.8 61.7 81.6 79.9 80.1	62.7 70.1 68.3 71.6 83.0 97.8 107.3 106.9 93.7 79.3 79.4 81.2 81.8 79.7 79.5	63.3 70.0 60.1 72.5 84.8 98.3 105.9 106.3 91.7 79.3 79.3 79.3 79.3 81.1 80.2	63.7 70.0 66.9 74.1 86.3 98.5 108.2 106.1 89.8 80.3 79.6 80.9 82.7 82.9 78.1	64.4 69.9 66.5 75.0 87.6 98.2 109.5 104.8 88.2 78.8 80.3 81.2 62.1 81.6 77.5	65.6 69.3 66.4 76.2 88.8 99.1 109.7 104.5 96.8 78.3 80.2 81.0 77.5	66.5 69.5 66.7 76.8 90.0 100.0 110.3 103.1 95.8 78.3 80.1 80.6 78.5	66.7 69.8 67.2 76.9 91.1 101.2 110.2 102.8 84.9 78.1 79.9 81.5 83.2 91.2 77.6	66.9 69.8 67.9 92.5 103.0 107.2 101.7 83.6 77.7 79.8 81.7 78.5	67.6 69.5 68.3 70.6 94.2 104.4 108.0 99.9 82.9 77.6 80.8 83.2 77.3	67.9 69.7 68.8 79.4 95.2 105.6 107.6 81.9 76.9 81.9 76.9 82.2 82.4 77.7	34.7 61.9 70.5 68.6 70.5 82.1 97.3 107.4 106.6 95.4 79.0 81.8 80.6	\$4.6 63.8 78.0 673.9 86.2 98.3 107.9 105.7 89.9 79.5 79.9 82.0 80.9 78.0	53.6 66.3 69.5 66.8 90.0 100.1 103.5 83.8 83.8 83.1 81.9 82.9	59.0 67.5 68.2 78.6 94.0 104.3 107.5 100.1 82.8 80.6 81.9 77.6	56.0 64.9 67.7 74.9 88.1 100.0 306.2 104.0 88.5 78.9 81.4 82.4 80.0 78.4

NOTE: Unless otherwise noted, these series contain no revisions but are reprinted for the convenience of the user. 'This series contains revisions beginning with 1954.

OCTOBER 1977

						Mor	ithly							Qua	rterly		
Year	Jan.	Feb.	Mar.	Apr.	Mey	June '	July	Aug.	Sept.	Oct.	Nov.	Dec.	10	11 0	III Q	IVQ	Annual
	670.	EMPLOYME	MT IN DEF	PENSE PRO	OUCTS IN	DUSTRIES, HOUSANDS)	TOTAL,	NOT SEAS	DNALLY AD	JUSTED				AVE	MGE FOR 1	PERIOD	
1950 1959 1960	1,227 1,258 1,259	1,216 1,260 1,253	1,214 1,259 1,248	1,209 1,256 1,234	1,196 1,253 1,220	1,208 1,257 1,188	1,212 1,267 1,201	1,223 1,270 1,222	1,237 1,277 1,227	1,242 1,270 1,223	1,257 1,270 1,242	1,261 1,268 1,246	1,219 1,259 1,253	1,204 1,255 1,214	1,224 1,271 1,217	1,253 1,269 1,237	1,22 1,26 1,23
1961 1962 1963 1964 1965 1967 1968 1967 1970 1971 1972 1973 1975 1975 1976	1,243 1,312 1,379 1,36 1,235 1,365 1,726 1,726 1,698 1,552 1,267 1,116 1,160 1,160 1,178 1,004	1,245 1,321 1,370 1,226 1,385 1,675 1,675 1,675 1,524 1,117 1,160 1,176 1,176 1,176	1,248 1,329 1,357 1,237 1,232 1,406 1,630 1,720 1,689 1,503 1,503 1,512 1,156 1,156 1,156 1,157 1,137	1,243 1,325 1,345 1,273 1,234 1,638 1,706 1,678 1,465 1,184 1,118 1,136 1,174 1,121 1,066	1,243 1,328 1,336 1,257 1,240 1,445 1,701 1,670 1,431 1,171 1,119 1,155 1,170 1,131 1,061	1,244 1,336 1,333 1,248 1,245 1,471 1,654 1,712 1,652 1,163 1,123 1,163 1,175 1,123 1,060	1,246 1,349 1,327 1,262 1,497 1,666 1,715 1,657 1,147 1,124 1,164 1,176 1,110	1,249 1,362 1,325 1,230 1,272 1,520 1,670 1,718 1,636 1,341 1,126 2,167 1,140 1,160 1,053	1,265 1,371 1,330 1,230 1,539 1,539 1,631 1,357 1,631 1,357 1,185 1,106 1,062	1,270 1,374 1,332 1,235 1,301 1,557 1,694 1,617 1,324 1,135 1,144 1,178 1,196 1,097 1,062	1,293 1,382 1,323 1,323 1,584 1,719 1,718 1,300 1,157 1,183 1,183 1,183 1,089 1,066	1,305 1,384 1,329 1,237 1,342 1,507 1,710 1,572 1,280 1,121 1,161 1,185 1,184 1,088 1,070	1,245 1,321 1,369 1,300 1,231 1,613 1,724 1,687 1,526 1,240 1,152 1,152 1,177 1,152	1,243 1,330 1,338 1,259 1,240 1,447 1,643 1,706 1,667 1,437 1,120 1,153 1,125 1,062	1,253 1,360 1,233 1,275 1,519 1,575 1,715 1,374 1,144 1,149 1,169 1,167 1,165 1,053	1,292 1,389 1,237 1,322 1,576 1,715 1,705 1,392 1,306 1,129 1,154 1,162 1,193 1,066	1,25 1,34 1,25 1,40 1,66 1,71 1,11 1,13 1,16 1,11 1,16
	6	70. EMPL	DYMENT IN	DEFENSE	PRODUCT!	S IMDUSTR	IES, TOT	AL, SEAS	MALLY AD	JUSTED				AVE	NAGE FOR I	PERIOD	
1958 1959 1960	1,218 1,249 1,250	1,211 1,254 1,246	1,210 1,255 1,244	1,212 1,259 1,240	1,210 1,267 1,233	1,222 1,271 1,201	1,224 1,200 1,213	1,229 1,277 1,228	1,233 1,274 1,224	1,239 1,266 1,218	1,246 1,259 1,230	1,249 1,256 1,232	1,213 1,253 1,247	1,215 1,266 1,225	1,229 1,277 1,222	1,245 1,260 1,227	
1961 1962 1963 1964 1965 1966 1967 1969 1970 1971 1972 1974 1975	1,235 1,363 1,367 1,329 1,357 1,580 1,719 1,691 1,262 1,111 1,177 1,175 1,001	1,240 1,316 1,366 1,294 1,382 1,614 1,723 1,672 1,239 1,115 1,159 1,176 1,176	1,244 1,326 1,354 1,285 1,406 1,630 1,719 1,688 1,503 1,213 1,117 1,139 1,180 1,142 1,077	1,240 1,330 1,350 1,278 1,237 1,430 1,645 1,713 1,686 1,123 1,123 1,124 1,126 1,072	1,255 1,340 1,347 1,266 1,247 1,457 1,650 1,713 1,602 1,179 1,126 1,179 1,164 1,179 1,164 1,179	1,257 1,350 1,345 1,258 1,258 1,478 1,662 1,718 1,658 1,421 1,167 1,126 1,167 1,127 1,064	1,259 1,361 1,337 1,246 1,267 1,502 1,659 1,459 1,159 1,128 1,128 1,128 1,117 1,184	1,255 1,369 1,332 1,235 1,525 1,675 1,673 1,347 1,147 1,147 1,147 1,147	1,262 1,369 1,328 1,236 1,289 1,537 1,686 1,708 1,627 1,353 1,134 1,134 1,171 1,101 1,100 1,059	1,274 1,370 1,329 1,330 1,354 1,699 1,613 1,321 1,140 1,171 1,188 1,090 1,056	1,283 1,371 1,317 1,315 1,573 1,701 1,580 1,123 1,140 1,113 1,077 1,054	1,292 1,371 1,316 1,228 1,331 1,579 1,710 1,765 1,261 1,114 1,154 1,154 1,173 1,171 1,075 1,060	1,249 1,315 1,363 1,295 1,237 1,382 1,611 1,720 1,684 1,523 1,218 1,114 1,158 1,178 1,178 1,178	1,253 1,340 1,347 1,267 1,455 1,655 1,675 1,479 1,125 1,164 1,132 1,069	1,239 1,366 1,332 1,239 1,521 1,676 4,717 1,643 1,375 1,146 1,131 1,172 1,172 1,108 1,056	1,283 1,371 1,321 1,230 1,315 1,769 1,696 1,300 1,123 1,147 1,172 1,181 1,087	
6	71. EMPL	OYMENT II	DEFENSE	PRODUCTS	IMDUSTI	RIES, PRO HOUSANDS)	DUCTION I	HORKERS,	HOT SEAS	OHALLY A	DJUSTED			AVE	MAGE POR I	PERIOD	
1958 1959 1960	761 749 712	749 746 707	745 742 701	738 734 690	722 729 677	731 726 641	721 724 634	728 723 663	740 730 670	744 726 668	752 723 678	755 720 675	752 746 707	730 730 669	730 736 662	750 723 674	741 73: 671
1961 1962 1963 1965 1965 1965 1967 1969 1971 1972 1973 1975 1975 1976 1977	672 695 711 676 639 734 886 974 941 937 667 575 615 627 618 545	\$67 698 791 664 632 747 905 969 927 916 650 578 623 589 540	666 698 694 636 761 914 964 934 804 629 377 614 621 385	660 689 687 651 640 773 914 954 924 924 9608 570 613 629 570 533	657 688 680 640 643 786 915 947 919 758 607 578 611 615 581	635 686 678 634 643 797 931 955 903 753 600 582 616 616 573 529	650 690 671 627 653 811 924 951 907 738 591 583 617 612 564 510	652 701 672 625 663 827 926 954 892 723 588 586 616 576 553 520	667 703 678 638 679 846 935 896 724 593 595 623 621 358	678 706 682 636 688 861 953 940 888 698 585 600 626 632 554	689 711 677 640 705 881 964 952 865 691 584 613 627 634 549 532	693 711 682 641 710 883 974 948 856 680 576 618 632 623 549 533	669 697 702 666 636 747 902 969 934 619 649 577 615 624 597	657 688 682 642 785 917 952 915 764 683 579 613 617 575 531	656 698 674 630 665 828 930 953 898 728 591 588 619 603 559	687 789 680 639 704 875 964 947 670 690 382 610 629 630 551	667 698 646 666 897 937 995 990 755 607 599 618 576 533
	71. EMPLO	YMENT II	DEFENSE	PRODUCTS		CUSANDS)	DUCTION N	CORKERS,	SEASONAL	LY ADJUST	PED			AVES	AGE FOR I	PERIOD	
958 959 960	751 738 702	742 739 700	740 737 696	741 737 692	732 739 686	744 739 652	738 740 668	738 732 672	738 729 669	739 721 663	741 712 667	743 708 663	744 736 699	739 738 677	738 734 670	741 714 664	
961 962 963 964 965 966 968 969 971 972 973 974 975 975 975 977	663 686 701 667 632 726 878 966 934 831 663 571 611 623 615	661 692 696 660 628 743 901 965 924 814 648 576 615 522 589 546	662 694 691 656 634 759 911 962 932 803 629 577 616 624 539	664 693 690 653 641 775 918 959 930 785 612 581 617 624 574 537	666 697 687 648 648 793 922 955 927 765 612 983 618 622 588 536	656 698 689 652 807 930 962 909 757 603 385 620 620 577 533	664 704 683 663 821 933 958 913 743 596 588 623 618 570 516	660 710 681 633 670 035 962 899 728 899 728 591 624 563 529	666 703 670 639 680 846 939 952 893 721 591 593 621 619 556 528	673 701 678 633 686 859 950 937 886 696 598 622 627 549 525	679 701 669 633 698 871 954 858 685 579 606 617 624 540 523	681 699 671 631 707 073 964 939 947 673 571 611 621 630 524	662 691 696 661 631 743 897 984 930 816 647 575 614 623 597 540	665 696 689 647 792 923 923 769 922 769 583 618 622 580 535	663 706 631 637 671 834 936 937 992 731 393 591 623 607 543	678 700 673 632 697 867 956 940 864 685 576 625 621 542 524	

						Mon	ithly ·							Quar	terly		
Year	Jan,	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	10	11 0	III Q	IVQ	Annual
	673. INDE	X OF AGO	REGATE W	SEKTA HOC	RS, DEPE	NSE PROD 967=100)	UCTS INDU	STRIES,	NOT SEAS	ONALLY AL	JUSTED			AVE	RAGE POR	PERIOD	
1958 1959 1960	72.3 74.6 74.7	71.4 74.5 74.0	71.5 74.4 73.8	71.0 74.2 72.3	70.4 74.1 72.2	71.2 74.6 70.2	71.2 74.8 70.7	72.2 75.2 72.2	73.2 75.7 72.6	73.3 75.4 72.6	74.3 75.3 73.7	75.0 75.6 73.7	71.7 74.5 74.2	70.9 74.3 71.6	72.2 75.2 71.0	74.2 75.4 73.3	72. 74. 72.
1961 1962 1963 1964 1965 1965 1968 1969 1971 1972 1974 1975 1976 1977	74.0 78.3 82.4 78.0 73.7 83.4 96.4 103.3 100.9 92.8 75.0 66.1 68.7 69.8 69.2 64.1	73.9 78.9 81.5 76.7 73.0 84.3 96.3 99.5 72.6 66.1 69.6 67.0 63.5	74.0 79.4 80.4 76.1 73.6 85.3 95.2 103.0 100.9 89.3 71.6 66.4 69.7 66.8 63.3	73.5 79.2 79.3 75.4 72.9 86.1 98.4 100.2 99.6 86.7 69.4 66.3 68.5 68.7 66.1 62.0	73.3 79.2 79.1 74.3 74.0 07.9 98.6 101.6 99.4 66.4 66.7 69.4 66.5 62.6	73.4 79.6 79.1 74.5 89.2 102.7 98.4 63.7 66.9 169.3 66.4 62.6	73.4 79.9 78.5 73.1 75.2 96.2 99.6 102.2 98.0 67.4 66.3 68.7 68.7 65.0 61.2	73.9 80.9 78.5 72.8 76.0 91.9 100.1 102.7 97.3 80.5 67.2 66.8 69.0 66.3 64.9	75.3 81.8 79.1 73.3 77.0 93.3 101.6 102.7 97.7 79.8 67.5 67.8 70.1 69.7 65.5 62.4	76.1 92.1 79.2 73.5 78.3 94.2 102.4 101.4 96.7 78.2 67.1 68.1 70.0 70.4 64.9 62.4	77.3 82.7 78.6 73.9 80.1 96.2 103.0 102.4 95.4 77.5 67.2 69.2 70.7 70.7 64.6 63.5	78.5 03.0 79.2 74.1 02.0 96.3 104.7 102.7 95.0 67.0 69.7 71.2 70.5 65.0 64.1	74.0 78.9 81.4 76.9 73.4 84.3 97.2 103.4 100.3 90.9 73.1 66.3 68.9 67.7 63.6	73.4 79.3 79.2 74.6 73.8 87.8 98.7 101.5 99.1 65.5 68.8 69.1 66.5	74.2 80.9 78.7 73.1 76.1 91.8 100.4 102.5 97.7 80.0 67.4 67.0 69.3 66.2 65.1 61.9	77.3 82.6 79.0 73.8 89.1 95.6 182.2 95.7 77.5 67.1 69.0 70.6 70.5 64.8 63.3	74. 80. 79. 74. 75. 89. 100. 102. 98. 67. 69. 69. 65.
(673, INDE	X OF AGG	REGATE W	ERKLY HOU	ms, defe	MSE PROD 967=100)	UCTS INDU	STRIES,	SEASOMALI	LY ADJUST	ED			AVE	RAGE FOR	PERIOD	
1958 1959 1960	71.5 73.8 73.9	71.1 74.1 73.6	71.3 74.2 73.6	71.5 74.7 72.8	71.5 75.2 73.3	72.1 75.5 71.1	72.3 75.9 71.8	72.6 75.7 72.7	72.9 75.4 72.3	73.1 75.1 72.2	73.5 74.5 72.8	73.7 74.3 72.3	71.3 74.0 73.7	71.7 75.1 72.4	72.6 75.7 72.3	73.4 74.6 72.4	
1961 1962 1963 1964 1965 1966 1969 1970 1972 1973 1975 1975 1976	73.3 77.5 81.6 77.2 73.0 82.8 95.9 100.6 92.6 74.9 66.0 68.6 69.8 69.2 64.1	73.6 78.6 81.3 76.5 73.9 84.3 97.3 99.3 99.3 99.3 99.3 66.3 69.6 67.0 63.5	73.9 79.2 80.3 76.0 73.6 85.2 98.2 99.2 71.5 66.4 68.9 67.0 63.6	74.1 79.8 80.0 76.2 73.6 87.0 99.4 101.1 100.4 87.4 97.4 66.8 66.8 66.8	74.3 90.2 79.9 74.6 88.5 99.3 102.4 45.3 65.7 66.9 69.8 66.8 63.0	74.3 80.5 79.9 74.6 75.0 89.8 99.8 103.3 98.9 84.1 67.1 69.3 66.6 62.8	74.5 81.0 79.5 73.9 75.9 90.9 102.9 90.8 82.7 68.1 67.0 69.7 66.1 62.2	74.5 81.6 79.1 73.3 76.5 92.4 100.6 103.2 97.9 81.0 67.7 67.3 69.7 67.0 65.6 62.7	75.1 81.6 79.0 73.2 76.9 93.2 101.4 102.4 97.3 79.5 67.2 67.5 69.7 69.3 65.1 62.0	75.7 81.7 78.8 73.2 78.0 93.9 102.1 101.1 96.4 77.9 67.8 69.6 70.0 64.5 62.0	76.6 81.7 77.7 73.0 79.2 95.2 102.4 94.4 76.5 68.3 69.5 63.5 62.5	77.1 81.5 77.9 73.0 80.8 95.0 103.3 101.2 93.5 765.7 68.5 69.8 69.8 69.8 63.8 62.7	73.6 78.4 81.1 76.6 73.2 84.1 97.0 103.3 100.3 73.0 68.9 67.7 63.7	74.2 79.9 75.3 88.4 992.3 99.8 659.6 659.6 65.7 62.8	74.7 91.4 79.5 76.4 92.2 102.8 90.0 81.1 67.7 68.7 65.6 62.3	76.4 81.6 78.1 79.3 94.7 102.7 101.2 94.8 66.4 68.2 69.7 69.5 63.9	
6	575. INDE	X OF AGG	REGATE W	BEKLY PAY	ROLLS, P ASOMALLY	RODUCTION ADJUSTE	WORKERS 0 (1967	, DEPRMS	S PRODUCT	'S IMDUST	RIES,		-	AVE	RAGE FOR	PERIOD	
1958 1959 1960	57.1 59.8 58.7	55.8 59.5 58.1	56.0 59.0 57.7	55.4 58.5 55.5	54.8 58.4 55.7	56.3 59.3 52.9	55.7 58.4 53.6	57.0 58.8 55.0	58.4 59.6 56.2	58.4 59.7 56.2	59.4 59.4 57.2	60.5 59.9 57.2	56.3 59.4 58.2	55.5 58.7 54.7	57.0 58.9 54.9	59.4 59.7 56.9	57.1 59.1 56.1
1961 1962 1963 1965 1966 1968 1968 1970 1971 1972 1973 1975 1975	57.2 61.6 64.3 61.5 77.1 107.0 107.0 102.7 84.6 76.7 102.8	56.9 61.6 63.6 61.1 60.8 78.1 107.3 107.3 105.0 99.1 80.8 99.2 99.5 90.5	56.7 61.9 62.2 60.6 61.8 79.1 105.7 108.3 97.9 79.5 78.9 99.1 100.8	55.9 61.3 60.8 60.8 60.6 79.7 96.9 106.2 94.6 75.6 79.3 89.3 94.1 97.6	55.2 61.0 61.0 59.3 62.9 82.9 97.6 103.0 106.6 76.9 79.4 89.9 97.6 100.2	55.4 60.7 61.6 59.2 63.2 83.5 98.0 105.7 105.3 76.3 80.7 90.7 90.7 90.9	55.1 60.7 60.8 68.1 63.8 84.1 104.3 104.9 74.5 790.2 94.9 97.9	55.9 62.0 61.3 58.1 86.1 86.5 106.0 105.3 75.2 82.0 91.8 99.3	58.2 63.3 62.8 60.1 67.1 89.4 102.2 106.2 107.5 88.9 76.7 84.6 95.2 99.8 102.0 101.9	59.5 64.0 63.2 60.3 91.3 91.3 107.4 107.1 96.3 85.7 103.2 101.5	60.9 64.7 62.6 61.4 72.5 94.3 106.2 87.0 89.3 105.3 101.8	62.2 65.4 63.7 62.3 75.4 94.5 109.6 110.6 110.6 110.6 110.5 100.5 106.3 104.9	56.9 61.8 61.3 61.3 61.4 78.1 95.7 107.2 99.9 81.6 77.7 69.5 70.2 100.2	55.5 61.1 59.2 82.0 97.3 106.0 92.3 79.8 996.2 999.2	56.40 61.6 58.9 86.8 9.0 105.9 80.5 80.9 9.0 9.2 105.9 9.2 9.4 9.4 9.0	60.9 64.7 63.2 61.5 72.4 93.4 106.8 87.5 77.2 89.1 97.9 104.9 102.7	57. 62. 62. 65. 85. 100. 106. 106. 92. 77. 82. 98. 100.
	75. INDE		REGATE WE	SEASON		-		, DEPENS	E PRODUCT	'S INDUST	RIES,			AVE	AGE FOR I	PERIOD	
958 959 1960	55.9 58.6 57.5	55.3 58.9 57.5	55.8 58.7 57.5	56.2 59.3 56.3	56.3 60.0 57.1	57.6 60.7 54.1	57.4 60.3 55.3	57.8 59.6 55.8	57.9 59.2 55.0	57.8 59.1 55.5	50.2 58.2 55.9	58.6 58.0 55.3	55.7 58.7 57.5	56.7 60.0 55.8	57.7 59.7 55.6	50.2 50.4 55.6	
961 962 963 964 965 966 968 970 971 972 973 974 975 977	56.1 60.4 61.1 60.4 75.8 105.4 102.0 84.1 75.9 88.4 96.5 101.1	56.3 61.2 63.1 60.5 77.9 95.2 105.9 99.2 80.8 77.9 89.7 98.4 100.4	56.5 61.8 62.1 60.5 61.7 78.9 96.9 105.5 108.1 97.8 79.4 78.8 90.0 97.2 99.4 101.1	56.8 62.2 61.81 61.6 81.1 61.6 81.6 102.2 108.2 76.8 80.5 90.6 95.9 99.5	56.6 62.4 62.3 60.4 64.0 84.2 99.2 105.4 108.2 93.0 78.0 80.5 90.9 98.7 101.3 100.0	56.6 61.9 62.7 60.2 64.2 84.9 99.7 107.6 107.1 92.8 77.4 81.8 98.0 102.3 100.2	56.9 62.7 62.7 65.5 86.5 106.8 107.3 76.6 81.6 93.3 98.5 101.7	56.8 63.1 62.4 59.7 66.2 88.1 101.0 107.6 106.0 89.4 76.4 94.0 91.9 101.0	57.9 63.0 62.6 60.0 67.0 89.2 101.6 107.5 106.6 80.1 76.0 84.1 99.0 101.2	58.7 63.2 62.4 68.6 90.6 103.6 106.4 75.9 85.4 7102.0 100.4	59.5 63.2 61.1 60.0 92.2 106.9 103.8 65.6 75.2 94.7 102.2 103.4	60.2 63.2 61.5 60.2 72.9 91.2 105.6 106.4 102.8 84.5 75.0 80.3 95.8 101.2 99.8	36,3 61,1 62,9 60,8 60,9 77,5 95,1 106,2 106,8 99,7 61,4 77,5 99,7 61,4 77,5	56.7 62.2 62.3 60.6 63.3 83.4 99.2 105.1 107.8 94.0 77.4 80.9 91.1 97.5 101.0	57.2 62.9 62.6 59.8 66.2 87.9 101.1 107.3 107.3 107.3 96.5 101.3	59.5 63.2 61.7 70.8 91.3 104.5 106.6 104.3 85.5 75.4 87.0 95.1 101.8 99.6	



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ALPHABETICAL INDEX—SERIES FINDING GUIDE

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Gross national product						Unfilled orders, manufacturers'				2177	2.4
Federal purchases of goods and services for national	202	5	14	10/77	10/73	Defende producte	660	9	22	2/77	2/7
defense Gross national product	264 200	5	14	10/77	10/73	Defense products industries From Government, aerospace industries	864	9	22	10/77	2/75
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		1				outstanding.					

